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ABSTRACT

This report documents the results of the credit by examination program at the University of Texas at Austin during the 1990-91 testing year. Credit earned by examination at this University is equivalent to credit earned by taking the course, but not to credit earned in residence. In this report, numbers relating to eligibility for credit are derived from comparisons of test scores with qualifying score ranges for the 1990-91 test year, which began in April 1991. Scores from the nine colleges and schools of the University participating in this program (Business Administration, Communication, Education, Engineering, Fine Arts, Liberal Arts, Natural Sciences, Nursing, and Pharmacy) are provided, including 23,748 test scores for 51 subject areas taught in 32 departments. Many of the students took more than one test. There were 10,582 participants in the program, of whom 69% earned credit for at least one course. On 12,704 (53%) of the tests, students achieved scores high enough to qualify for 69,172 semester hours of credit eligibility. Three academic subjects stand out as those in which students most often attempted to earn credit by examination: English and Spanish in the College of Liberal Arts, and mathematics in the College of Natural Sciences. During the 1990-91 testing year, 75% of the test scores evaluated were in these three subjects. Test results from 18 academic subjects are reported alphabetically. Ninety-four data tables and five graphs are provided. (SLD)

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CREDIT BY EXAMINATION AT THE UNIVERSITY OF TEXAS AT AUSTIN 1990-1991

Susan S. Mahoney

Measurement and Evaluation Center

Special Report

The University of Texas at Austin

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CREDIT BY EXAMINATION AT THE UNIVERSITY OF TEXAS AT AUSTIN 1990-1991

Susan S. Mahoney

SR-91-2 July 1991

Measurement and Evaluation Center
The University of Texas at Austin

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CREDIT BY EXAMINATION AT THE UNIVERSITY OF TEXAS AT AUSTIN
1990-1991

Susan S. Mahoney

The Measurement and Evaluation Center (MEC) coordinates credit by examination at The University of Texas at Austin. In administering the testing program, MEC implements policies made by the participating academic departments and the University.

Credit earned by examination at UT Austin is equivalent to credit earned by taking the course; however, credit by examination cannot be counted as credit earned in residence. Students or former students who earn credit by examination may petition at any time for the credit for which they are eligible. Other persons may claim their credit only after they are officially enrolled at UT Austin.

Credit by examination is not awarded if the student received college credit or a failing grade for the same course, or its equivalent, prior to taking the examination. To receive credit by examination, students must also meet all other conditions of eligibility established by the University, the schools/colleges, and the academic departments.

In this report, numbers relating to eligibility for credit are derived from comparisons of test scores with qualifying score ranges. Some students do not claim the credit for which they are eligible, and credit claimed by the students may or may not be reported by MEC to the Registrar in the testing year covered by this report.

This report covers the 1990-1991 testing year, which began, for purposes of this report, in April 1990 and continued through March 1991. Scores from the various testing categories were evaluated during those months, although some of the tests may have been administered prior to April 1990.

During the 1990-1991 testing year, nine colleges/schools at UT Austin participated in the credit-by-examination program. Evaluations of 23,748 test scores, covering 51 subject areas taught in 32 departments/divisions, are recorded in this report. Because many students took more than one test, the total number of tests exceeds the actual number of persons who attempted to earn credit by examination. There were 10,582 participants in the credit-by-examination program during the year; 7,332 (69%) of those persons earned credit for at least one course, with 12,704 qualifying test scores generating a total of 69,172 semester hours of credit eligibility.

The four common groupings in the number of tests students took during the testing year are listed below.

- 4,268 (40%) students took one test.
- 2,792 (26%) students took two tests.
- 1,784 (17%) students took three tests.
- 1,738 (16%) students took four or more tests.

Typical patterns of the tests taken by students during 1990-1991 are as follows:

- 2,267 (21%) students took at least one test, but not the College Board Achievement Tests in English Composition (ECT), Mathematics Level I/ Level II, or a foreign language test.
- 2,137 (20%) students took two tests: ECT and Mathematics Level I/Level II.
- 1,670 (16%) students took only a foreign language test.
- 1,063 (10%) students took three tests: ECT, Mathematics Level I/Level II, and a foreign language test.
- 888 (8%) students took three tests: ECT, Mathematics Level I/Level II, and some test other than a foreign language test.
- The largest group was that of the 2,557 (24%) students who took at least one test in a pattern exclusive of those listed above.

Of the 10,582 individuals who participated in the credit-by-examination program during 1990-1991,

- 3,250 (31%) students earned no semester hours.
- 2,612 (25%) students earned 1 to 3 semester hours.
- 1,441 (14%) students earned 4 to 6 semester hours.
- 2,408 (23%) students earned 7 to 18 semester hours.
- 682 (6%) students earned 19 to 30 semester hours.
- 189 (2%) students earned more than 30 semester hours; one student took nine tests and accumulated 82 semester hours.

UT Austin's program of credit by examination comprises six different categories of test administrations. This report documents UT Austin institutional administrations; UT Austin

departmental administrations; and national administrations of College Board College-Level Examination Program (CLEP) Subject Examinations, College Board Achievement Tests, and College Board Advanced Placement (AP) Examinations. There is no information in this report on the sixth category, the International Baccalaureate Higher-Level Examinations.

UT Austin Institutional Administrations

UT Austin institutional administrations have the greatest impact on the credit-by-examination program. The following three criteria define this testing category and distinguish it from both UT Austin departmental administrations and national testing administrations:

1. The tests are administered at UT Austin by MEC at scheduled times,
2. The tests are scored at UT Austin, and
3. Fees for the tests are paid to UT Austin.

The tests are of three types: UT Austin Tests for Credit constructed locally by certain academic departments, College Board Achievement Tests, and College Board CLEP Subject Examinations.

Administration of the tests takes place in testing periods preceding each registration period and during the summer orientation sessions. In addition, individually administered test sessions are held at the request of the departments, or by MEC, for special reasons.

UT Austin Departmental Administrations

A registered student may apply to take an examination for credit in any undergraduate course offered by the University. UT Austin departmental administrations, given on an individual basis, are designed to meet the needs of this University policy.

Application forms for the departmental examinations are available at the MEC. On the application, the student must state why she/he is qualified to take the test. Before the examination is given, the application must be approved by the chairman or program director of the department in which the course is offered and by the dean of the college or school in which the student is enrolled.

These tests are not given on a regular schedule. After the application is approved, a faculty member administers the test. The examination is graded by the department, maintaining the same level of achievement on the test as that required to pass the University course satisfactorily. To be eligible for credit, a student must make a grade of *C* or higher.

After the examination is graded, the application form is returned to the Measurement and Evaluation Center. If credit has been earned, MEC reports the credit to the Registrar's office with a letter grade or with credit only, as directed by the student.

National Administrations of College Board Tests

In national administrations of College Board tests, the examinations are available on common dates at designated test centers throughout the nation. After the national administration has been completed, test materials are returned to the Educational Testing Service (ETS). The tests are scored by ETS, and the scores are reported to the institutions designated by the student. UT Austin uses scores on specific tests from national administrations of three College Board testing programs: CLEP Subject Examinations, Achievement Tests, and Advanced Placement Examinations.

The CLEP examinations are usually administered in colleges and universities throughout the country. The Measurement and Evaluation Center serves as one of the national test centers for the College-Level Examination Program in addition to offering certain CLEP Subject Examinations in institutional testing. CLEP examinations are available through national administrations each month.

The College Board Advanced Placement Examinations are administered nationally once a year in May. National administrations of the College Board Achievement Tests are scheduled five times during the academic year. For both programs, high schools typically serve as test centers.

Test Fees

A variety of test fees is paid by candidates for credit by examination. For UT Austin students, the fees may vary depending on whether the tests are taken as part of a national program or in an institutional administration.

UT Austin Institutional Administrations

UT Austin Tests for Credit:

Required tests:	$28.00 per test
	After September 4, 1990, $30.00 per test
Optional tests:	$43.00 per test
	After September 4, 1990, $45.00 per test

College Board Achievement Tests:

$28.00 per test
After September 4, 1990, $30.00 per test

College Board CLEP Subject Examination:

$37.00 per test
After September 4, 1990, $38.00 per test

UT Austin Departmental Administrations

Required tests: $28.00 per test
After September 4, 1990, $30.00 per test

Optional tests: $43.00 per test
After September 4, 1990, $45.00 per test

National Administrations of College Board CLEP Subject Examinations

$38.00 per test

National Administrations of College Board Achievement Tests

Between October 1, 1989, and September 1, 1990, the fee was $21.00 for one, two, or three Achievement tests taken on the same date.

National Administrations of College Board Advanced Placement Examinations

May, 1990, $62.00 per examination

Test results in 18 subject areas are reported alphabetically in the next section. Documentation of test results in all 51 subject areas, the overall impact of credit by examination on the nine participating schools/colleges, and comparisons of 1990-1991 test results with results from preceding years in UT Austin's credit-by-examination program are available in the summary section of this report.

Biology 302, 303, and 304: Introductory Courses in the Biological Sciences

The College Board Advanced Placement (AP) Examination in Biology allows one hour and 30 minutes of working time on the objective portion and an additional 90 minutes on the essay portion. All scores of 5, 4, or 3 received from national administrations of this test are subject to review by a UT Austin faculty member of the Division of Biological Sciences. Both the objective score and the essay are taken into consideration in determining the credit a student receives. Based on the review, the student may be awarded credit for any combination of the three courses or possibly no credit for any course. Scores of 2 or 1 are not eligible for review or credit.

The UT Austin Test for Credit in Biology, locally constructed, is entirely objective and allows three hours of working time.

A student must have fewer than six semester hours -- whether with passing or failing grades -- in the life sciences (biology, biochemistry, botany, microbiology, zoology) to be eligible for credit.

Table 1 shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and grades awarded for each of the three biology courses: Biology 302--*Cellular and Molecular Biology*, Biology 303--*Structure and Function of Organisms*, and Biology 304--*Environmental and Population Biology*. Because of the possibility of earning credit for multiple courses, the numbers shown under each individual course will not be equal to the numbers shown as generating credit.

The 38 scores from institutional administrations represent 13% of the biology scores evaluated; 7 institutional scores merited credit. Conversely, the 251 scores received from national administrations of the Biology AP examination constituted 87% of the scores evaluated. The 157 AP scores meriting credit produced 1,041 semester hours of credit eligibility.

Table 2 presents a summary, by combination of courses, of credit earned by examination in biology during the 1990-1991 testing year. The numbers and percentages of test scores are displayed, as well as the number of semester hours of credit eligibility. A total of 289 scores was evaluated during the year; 164 of the tests accrued a total of 1,077 semester hours of credit eligibility. Eighty-six students earned credit for all three of the introductory biology courses.

Table 1
Credit by Examination: Biology
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Course and Grade								
					302			303			304		
	N	%	N	%	*A*	*B*	*C*	*A*	*B*	*C*	*A*	*B*	*C*
UT	38	13	7	4	0	1	4	0	0	3	1	1	2
AP													
5	41	14	37	23	24	13	0	22	11	3	14	14	8
4	75	26	72	44	11	26	31	5	18	40	7	16	36
3	63	22	48	29	2	6	9	0	2	8	1	1	19
2,1	72	25	0	0	–	–	–	–	–	–	–	–	–
Total	289	100	164	100	37	46	44	27	31	54	23	32	65

Table 2
Summary of Credit by Examination in Biology
1990-1991

Combination of Courses	Test Scores Evaluated		Semester Hours of Credit Eligibility	
	N	%	N	%
302, 303, 304	86	30	774	72
303, 304	4	1	24	2
302, 304	7	2	42	4
302, 303	12	4	72	7
304	23	8	69	6
303	10	3	30	3
302	22	8	66	6
Total eligible	164	57*	1,077	100
Not eligible	125	43	0	0
Total	289	100	1,077	100

* Because of rounding, this figure differs from that obtained by addition of the above seven figures.

CHEMISTRY

Five different tests are used to award credit by examination in chemistry at UT Austin: the UT Austin Tests for Credit in Chemistry 304K, 301, 302, and 305, and the College Board Advanced Placement Examination. The results of each of the five tests are documented in Tables 3 through 7. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented. In addition, Table 8 summarizes the results of the credit-by-examination program in chemistry during the 1990-1991 testing year.

During the time period covered by this report, 967 chemistry tests were evaluated; 473 of these scores merited a total of 1,635 semester hours of credit eligibility. The Measurement and Evaluation Center administered 783 (81%) tests on the UT Austin campus. One test was given by the Department of Chemistry, with the remaining 183 test scores reported to the MEC from national administrations of the AP Examination in Chemistry.

The UT Austin Test for Credit in Chemistry 301 had the largest volume of test scores -- 431, 45% of the test scores evaluated. There were 124 Chemistry 301 tests that generated credit eligibility resulting in 372 semester hours of credit. Twenty-nine percent of the students who tried to earn credit by means of this test were successful in their attempts.

The AP Examination in Chemistry ranked first in terms of semester hours generated. This program had 72 scores meriting credit with 432 semester hours of eligibility accruing. Thirty-nine percent of the AP scores merited credit.

An unusual change occured in the number of tests administered for credit in Chemistry 305. From the time the test was first offered in the summer of 1983, it attracted a small test population. The number of Chemistry 305 tests during an academic year typically fell within the mid-thirties range. During 1990-1991, however, 152 Chemistry 305 tests were administered on January 15, 1991, bringing the year's total to 185 -- an increase of approximately 525% over the expected number of tests for Chemistry 305.

Chemistry 304K: *Introduction to Chemistry*

The UT Austin Test for Credit in Chemistry 304K, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 304K.

Table 3
Credit by Examination in Chemistry 304K: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	42	34	126
With grade of *B*	41	33	123
With grade of C	23	19	69
Total eligible	106	86	318
Not eligible	17	14	0
Total	123	100	318

Chemistry 301: *Principles of Chemistry I*

The UT Austin Test for Credit in Chemistry 301, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 301 or its equivalent are eligible to take the examination.

The test is required of students who plan to work toward a Bachelor of Science degree in chemistry, physics, or chemical engineering, who studied chemistry in high school, and who do not already have credit for Chemistry 301 or its equivalent. Other engineering majors and candidates for a Bachelor of Arts degree in physics are encouraged to take the test if they have sufficient background. The test is appropriate for other students with a strong background in high school chemistry.

Table 4
Credit by Examination in Chemistry 301: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	28	6	84
With grade of *B*	45	10	135
With grade of *C*	51	12	153
Total eligible	124	29*	372
Not eligible	307	71	0
Total	431	100	372

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Chemistry 302: *Principles of Chemistry II*

The UT Austin Test for Credit in Chemistry 302, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 302 or its equivalent.

Table 5
Credit by Examination in Chemistry 302: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	9	20	27
With grade of *B*	15	34	45
With grade of *C*	10	23	30
Total eligible	34	77	102
Not eligible	10	23	0
Total	44	100	102

Chemistry 305: *Fundamentals of General and Organic Chemistry*

The UT Austin Test for Credit in Chemistry 305, constructed locally by the UT Austin Department of Chemistry, allows one hour and 15 minutes of working time. The test is administered only on the UT Austin campus.

Eligible to take this optional test are individuals who have not taken the test previously and have neither a passing nor a failing grade for Chemistry 305 or its equivalent.

Table 6
Credit by Examination in Chemistry 305: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	Test Scores Evaluated %	Semester Hours of Credit Eligibility
With grade of *A*	10	5	30
With grade of *B*	59	32	177
With grade of *C*	68	37	204
Total eligible	137	74	411
Not eligible	48	26	0
Total	185	100	411

Chemistry 301 and 302

The College Board Advanced Placement (AP) Examination in Chemistry allows 90 to 105 minutes of working time for the objective portion of the test with an additional 75 to 90 minutes allotted for the essay/free response portion of the examination.

For a College Board AP score of 5, the student is awarded the letter grade of *A* for both Chemistry 301 and Chemistry 302. An AP score of 4 merits credit only for both courses; there is no letter grade attached. Chemistry AP scores of 3, 2, and 1 are not eligible for credit at UT Austin.

Table 7

Credit by Examination in Chemistry 301 and 302: AP Chemistry

1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade *A*	*Credit*	Semester Hours of Credit Eligibility N
5	28	15	28	39	28	--	168
4	44	24	44	61	--	44	264
3, 2, 1	111	61	0	0	--	--	0
Total	183	100	72	100	28	44	432

Table 8

Summary of Credit by Examination in Chemistry

1990-1991

Test and Course(s)	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
UT: CH 304K	123	13	106	22	318	19
UT: CH 301	431	45	124	26	372	23
UT: CH 302	44	5	34	7	102	6
UT: CH 305	185	19	137	29	411	25
AP: CH 301, 302	183	19	72	15	432	26
Departmental:						
Miscellaneous	1	<1	0	0	0	0
Total	967	101*	473	99*	1,635	99*

* This figure differs from 100% because of rounding.

Chinese 506, 507, 412K, 412L

The UT Austin Test for Credit in Chinese, locally constructed by the faculty members of the Department of Oriental and African Languages and Literatures, is divided into two sections -- a 20-minute taped listening portion and a 40-minute reading portion.

Individuals who have not taken this test previously are eligible to do so. The test is required of all students who have knowledge of Chinese, who have no college credit in Chinese, and who intend to enroll in a UT Austin Chinese course.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 265 Chinese tests; 245 tests merited credit. A total of 4,075 semester hours of credit eligibility was generated by this test.

Table 9
Credit by Examination in Chinese: UT Austin
1990-1991
(Number of Test Scores Evaluated: 265)

Course	Test Scores Generating Eligibility	Grade A	Grade B	Grade C	Semester Hours of Credit Eligibility
506	245	216	14	15	1,225
507	230	209	7	14	1,150
412K	216	201	8	7	864
412L	209	196	5	8	836
Total	--	--	--	--	4,075

Table 10
Summary of Credit by Examination in Chinese
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 412K, 412L	209	79	3,762	92
506, 507, 412K	7	3	98	2
506, 507	14	5	140	3
506	15	6	75	2
Total eligible	245	92*	4,075	99**
Not eligible	20	8	0	0
Total	265	100	4,075	99**

* Because of rounding, this figure differs from that obtained by addition of the above four figures.

** This figure differs from 100% because of rounding.

COMPUTER SCIENCES

Three different tests are used to award credit by examination in computer sciences at UT Austin: the UT Austin Tests for Credit in Computer Sciences 304P and Computer Sciences 315, and the College Board AP Examination in Computer Science.

Tables 11 through 14 document the results of each of the tests. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented. In addition, Table 15 summarizes the results of the credit-by-examination program during the 1990-1991 testing year. A total of 292 test scores was evaluated during this time period with 170 eligible tests accruing 508 semester hours of credit eligibility.

Computer Sciences 304P: *Computer Science 1*

The UT Austin Test for Credit in Computer Sciences 304P, constructed locally by faculty members of the UT Austin Department of Computer Sciences, allows two hours of working time. The test is administered only on the UT Austin campus.

Individuals who have a score of 460 on the College Board Achievement Test in Mathematics Level I or three hours of college credit in a college mathematics course, who do not have credit in Computer Sciences 328, who do not have a passing or a failing grade in Computer Sciences 304P, and who have not taken the test previously are eligible to take this optional examination.

Table 11
Credit by Examination in Computer Sciences 304P: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	2	6	6
With grade of *B*	5	16	15
With grade of *C*	3	10	9
Total eligible	10	32	30
Not eligible	21	68	0
Total	31	100	30

The three-hour College Board Advanced Placement Examination in Computer Science consists of a multiple-choice section and a free-response section. Two scores are possible on this examination: all candidates receive a score for Computer Science A and those who take the entire format receive a second score for Computer Science AB. If a student had both scores, the Measurement and Evaluation Center used the higher score to award credit for Computer Sciences 304P.

The Computer Science A scores merited the following credit eligibility:

Score of 5	CS 304P with a grade of *A*
Score of 4	CS 304P with a grade of *B*
Scores of 3, 2 and 1	No credit

The Computer Science AB scores merited the following credit eligibility:

Score of 5	CS 304P with a grade of *A*
Score of 4	CS 304P with a grade of *B*
Score of 3	CS 304P with a grade of *C*
Scores of 2 and 1	No credit

The College Board AP Examination had 248 test scores reported to UT Austin from national administrations. One hundred fifty-three test scores from the AP program qualified for credit and produced 459 semester hours of credit eligibility.

Table 12
Credit by Examination in Computer Sciences 304P
AP Computer Science: A
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade A	B	Semester Hours of Credit Eligibility N
5	49	35	49	58	49	--	147
4	36	26	36	42	--	36	108
3, 2, 1	56	40	0	0	--	--	0
Total	141	101*	85	100	49	36	255

* This figure differs from 100% because of rounding.

Table 13
Credit by Examination in Computer Sciences 304P
AP Computer Science: AB
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Course and Grade 304P A	B	C	Semester Hours of Credit Eligibility N
5	24	22	24	35	24	--	--	72
4	20	19	20	29	--	20	--	60
3	24	22	24	35	--	--	24	72
2, 1	39	36	0	0	--	--	--	0
Total	107	99*	68	99*	24	20	24	204

* This figure differs from 100% because of rounding.

Computer Sciences 315: *Computer Science 1I*

The UT Austin Test for Credit in Computer Sciences 315, constructed locally by faculty members of the UT Austin Department of Computer Sciences, allows two hours of working time. The test is administered only on the UT Austin campus.

Individuals who have received a score of 4 or 5 on the College Board Advanced Placement Examination in Computer Science AB, who do not have a passing or a failing grade in Computer Sciences 315, who have not taken the test previously, and others by permission from the Department of Computer Sciences undergraduate advisor are eligible to take this optional test.

Table 14
Credit by Examination in Computer Sciences 315: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	0	0	0
With grade of *B*	1	11	3
With grade of *C*	2	22	6
Total eligible	3	33	9
Not eligible	6	67	0
Total	9	100	9

Table 15
Summary of Credit by Examination in Computer Sciences
1990-1991

Test and Course	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
UT: CS 304P	31	11	10	6	30	6
AP: CS 304P	248	85	153	90	459	90
UT: CS 315	9	3	3	2	9	2
Departmental: Miscellaneous	4	1	4	2	10	2
Total	292	100	170	100	508	100

ECONOMICS

Three College Board CLEP Subject Examinations are used to award credit by examination in three economics courses: Introductory Macroeconomics (Economics 302), Introductory Microeconomics (Economics 303), and Introductory Micro- and Macroeconomics (Economics 302 and 303). One hour and 30 minutes of working time is allowed for each test.

Individuals who have not taken these optional tests within the past six months and who have neither a passing nor a failing grade in the course(s) for which they are attempting to earn credit are eligible to take these tests.

During the 1990-1991 testing year, 119 economics test scores were evaluated. Of this total 99 test scores qualified for 375 semester hours of credit eligibility.

The Measurement and Evaluation Center administered 113 CLEP economics tests on the UT Austin campus during the 1990-1991 testing year. Six scores were reported from national CLEP administrations.

Tables 16-18 present the numbers and percentages of test scores evaluated, letter grades awarded, and the semester hours for the three CLEP examinations. Table 19 summarizes the results of all credit by examination in economics during the time period.

Table 16
Credit by Examination in Economics 302: CLEP Introductory Macroeconomics
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	9	19	27
With grade of *B*	10	21	30
With grade of *C*	13	27	39
Total eligible	32	67	96
Not eligible	16	33	0
Total	48	100	96

Note. Score ranges: 63-80 = *A*, 55-62 = *B*, 48-54 = *C*, 20-47 = no credit.

Table 17
Credit by Examination in Economics 303: CLEP Introductory Microeconomics
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	18	40	54
With grade of *B*	11	24	33
With grade of *C*	12	27	36
Total eligible	41	91	123
Not eligible	4	9	0
Total	45	100	123

Note. Score ranges: 61-80 = *A*, 54-60 = *B*, 47-53 = *C*, 20-46 = no credit.

Table 18
Credit by Examination in Economics 302 and 303:
CLEP Introductory Micro- and Macroeconomics
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	11	42	66
With grade of *B*	9	35	54
With grade of *C*	6	23	36
Total eligible	26	100	156
Not eligible	0	0	0
Total	26	100	156

Note. Score ranges: 61-80 = *A*, 54-60 = *B*, 47-53 = *C*, 20-46 = no credit.

Table 19
Summary of Credit by Examination in Economics
1990-1991

Test and Course(s)	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
CLEP: ECO 302	48	40	32	32	96	26
CLEP: ECO 303	45	38	41	41	123	33
CLEP: ECO 302 and ECO 303	26	22	26	26	156	42
Total	119	100	99	99*	375	101*

* This figure differs from 100% because of rounding.

ENGLISH

Five tests are used to grant credit by examination in English at UT Austin. At the freshman level for English 306, the College Board Achievement Test in English Composition (ECT) and the College Board AP Examination in Language and Composition are used. At the sophomore level, English 316K, three other College Board examinations are used: the CLEP Subject Examinations in American Literature or English Literature and the AP Examination in Literature and Composition.

Tables 20-24 present results of each examination; Table 25 summarizes the results of credit by examination from all English tests during 1990-1991.

During this testing year 7,840 English test scores were evaluated. There were 3,404 tests with scores qualifying students for 10,212 semester hours of credit eligibility. The ECT produced the largest test volume: 5,974 test scores evaluated, 1,957 tests generating 5,871 hours of credit eligibility. The AP Examination in Literature and Composition ranked second in this comparison with 1,053 tests evaluated and 885 eligible test scores producing 2,655 semester hours of credit eligibility.

The Measurement and Evaluation Center administered 4,378 English tests during this time period. The remaining 3,462 test scores were reported from national administrations.

English 306: *Rhetoric and Composition*

The College Board Achievement Test in English Composition allows one hour of working time. A score on this test is required before enrollment in English 306, the basic first-semester college English course.

The ECT is available in both institutional and national administrations. The Measurement and Evaluation Center administered 4,289 (72%) of these tests on the UT Austin campus during the 1990-1991 testing year. The remaining tests were given in national administrations.

Table 20 presents the 1990-1991 credit by examination results of both national and institutional administrations of the ECT. A total of 5,974 scores was evaluated during this time period; 1,957 of the tests merited 5,871 semester hours of credit eligibility.

Table 20
Credit by Examination in English 306: Achievement Test in English Composition
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	855	14	2,565
With grade of *B*	1,102	18	3,306
Total eligible	1,957	33*	5,871
Not eligible	4,017	67	0
Total	5,974	100	5,871

* Because of rounding, this figure differs from that obtained by addition of the above two figures.
Note. Score ranges: 610-800 = *A*, 550-609 = *B*, 200-549 = no credit.

The College Board Advanced Placement Examination in Language and Composition is a three-hour test divided into two portions; typically, an hour and 15 minutes is allotted for the multiple-choice portion and an hour and 45 minutes for the essay portion. A College Board rating of 5 on this examination creates eligibility for English 306 with the letter grade of *A*. A rating of 4 merits a letter grade of *B*, while a rating of 3 is awarded credit only. Scores of 2 and 1 are not eligible for credit.

Table 21 documents the results of the 724 scores on the AP Language and Composition examination during 1990-1991. A total of 504 of the tests merited 1,512 semester hours of credit eligibility in freshman English.

Table 21
Credit by Examination in English 306: AP English in Language and Composition
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade *A*	*B*	*Credit*	Semester Hours of Credit Eligibility N
5	73	10	73	14	73	--	--	219
4	157	22	157	31	--	157	--	471
3	274	38	274	54	--	--	274	822
2, 1	220	30	0	0	--	--	--	0
Total	724	100	504	100	73	157	274	1,512

English 316K: *American Literature*

The College Board CLEP Subject Examination in American Literature allows 90 minutes of working time on the objective portion. An additional 90 minutes of working time is allotted for the essay portion. The Department of English requires both the objective portion and the essay portion of this optional test.

Table 22
Credit by Examination in English 316K: CLEP American Literature
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	6	14	18
With grade of *B*	5	11	15
With grade of *C*	15	34	45
Total eligible	26	59	78
Not eligible	18	41	0
Total	44	100	78

English 316K: *English Literature*

The College Board CLEP Subject Examination in English Literature allows 90 minutes of working time on the objective portion. The essay portion allots an additional 90 minutes of working time. The Department of English requires both the objective portion and the essay portion of this optional test.

Table 23
Credit by Examination in English 316K: CLEP English Literature
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	17	38	51
With grade of *B*	7	16	21
With grade of *C*	8	18	24
Total eligible	32	71*	96
Not eligible	13	29	0
Total	45	100	96

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

English 316K: *Masterworks of Literature*

The College Board Advanced Placement Examination in Literature and Composition is a three-hour test divided into two portions; typically, an hour and 15 minutes is allotted for the multiple-choice portion and an hour and 45 minutes for the essay portion. A College Board rating of 5 awards a student credit in English 316K with an *A*. With a College Board rating of 4, a student may claim credit in English 316K with a *B*. A rating of 3 merits credit only. Scores of 2 and 1 are not eligible for credit.

Table 24 displays the results of the 1,053 scores for the AP English examination in Literature and Composition evaluated at UT Austin during 1990-1991. A total of 885 tests was eligible for credit with 2,655 semester hours of credit eligibility resulting from this national program.

Table 24
Credit by Examination in English 316K: AP English in Literature and Composition
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade *A*	*B*	*Credit*	Semester Hours of Credit Eligibility N
5	151	14	151	17	151	--	--	453
4	292	28	292	33	--	292	--	876
3	442	42	442	50	--	--	442	1,326
2, 1	168	16	0	0	--	--	--	0
Total	1,053	100	885	100	151	292	442	2,655

Table 25
Summary of Credit by Examination in English
1990-1991

Test and Course	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Achievement	5,974	76	1,957	57	5,871	57
AP	724	9	504	15	1,512	15
Subtotal: E 306 Freshman	*6,698*	*85*	*2,461*	*72*	*7,383*	*72*
CLEP	89	1	58	2	174	2
AP	1,053	13	885	26	2,655	26
Subtotal: E 316K Sopomore	*1,142*	*15**	*943*	*28*	*2,829*	*28*
Total	7,840	100	3,404	100	10,212	100

* Because of rounding, this figure differs from that obtained by addition of the above two figures.

FRENCH

During the 1990-1991 testing year, four College Board examinations were used to award credit by examination in French at UT Austin: the Achievement Test in French Listening-Reading, the CLEP Subject Examination in College French, and two Advanced Placement Examinations in French -- French Language and French Literature.

Between April 1, 1990 and August 30, 1990, the Achievement Test in French Listening-Reading, was available on the UT Austin campus. This test is divided into two sections -- a 20-minute taped portion and a 40-minute reading portion. Students who have not taken the test previously are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of French, who have no college credit in French, and who intend to enroll in a UT Austin French course. It is possible for students to earn credit for four courses in the major four-skills sequence: French 506--*First-Year French I*, French 507--*First-Year French II*, French 312K--*Second-Year French I: Four Skills*, and French 312L--*Second-Year French II: Four Skills (Literature)*.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 542 French Achievement Listening-Reading tests. Table 26 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 27 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 26
Credit by Examination: Achievement Test in French Listening-Reading
1990-1991
(Number of Test Scores Evaluated: 542)

Course	Test Scores Generating Eligibility	Grade			Semester Hours of Credit Eligibility
		A	*B*	*C*	
506	377	218	80	79	1,885
507	196	91	49	56	980
312K	125	69	35	21	375
312L	83	38	13	32	249
Total	--	--	--	--	3,489

The 377 test scores that qualified for credit produced 3,489 semester hours of eligibility. The largest amount of credit eligibility was generated by scores on the 83 tests that merited credit for four French courses. This group earned 1,328 semester hours. In the second-ranked group were the 181 students that earned credit for French 506 only with a total of 905 semester hours.

Table 27
Credit by Examination: Achievement Test in French Listening-Reading
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L	83	15	1,328	38
506, 507, 312K	42	8	546	16
506, 507	71	13	710	20
506	181	33	905	26
Total eligible	377	70*	3,489	100
Not eligible	165	30	0	0
Total	542	100	3,489	100

* Because of rounding, this figure differs from that obtained by addition of the above four figures.

Table 28
Placement System for Scores on the College Board Achievement Test in French Listening-Reading Received by the Measurement and Evaluation Center After September 7, 1989 - The University of Texas at Austin

Composite Score	Course and Grade				Register for
	506	507	312K	312L	
640-800	A	A	A	A	Upper Division Course
610-630	A	A	A	B	
590-600	A	A	A	C	
580	A	A	B	C	
570	A	A	B		French 312L, 312M, 312N, or 310L
560	A	B	B		
540-550	A	B	C		
530	A	B			French 312K, 310K, or 610
490-520	A	C			
480	A	No Credit			French 508K
450-470	B				
430-440	C				
200-420					French 506 or 604

After August 30, 1990, the CLEP Subject Examination in College French replaced the College Board Achievement Test in French Listening-Reading. The CLEP test is divided into two sections -- a 60-minute reading portion and a 30-minute taped portion. Students who have not taken the test within the past six months are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of French, who have no college credit in French, and who intend to enroll in a UT Austin French course. It is possible for students to earn credit for four courses in the major four-skills sequence: French 506--*First-Year French I*, French 507--*First-Year French II*, French 312K--*Second-Year French I: Four Skills*, and French 312L--*Second-Year French II: Four Skills (Literature)*.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 110 CLEP College French tests; one additional test score was reported from national administrations. Table 29 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 30 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 29
Credit by Examination: CLEP College French
1990-1991
(Number of Test Scores Evaluated: 111)

Course	Test Scores Generating Eligibility	Grade			Semester Hours of Credit Eligibility
		A	*B*	*C*	
506	54	37	9	8	270
507	34	21	4	9	170
312K	23	18	5	0	69
312L	19	14	3	2	57
Total	--	--	--	--	566

The 54 test scores that qualified for credit produced 566 semester hours of eligibility. The largest amount of credit eligibility was generated by scores on the 19 tests that merited credit for four French courses. This group earned 304 semester hours.

Table 30
Credit by Examination: CLEP College French
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L	19	17	304	54
506, 507, 312K	4	4	52	9
506, 507	11	10	110	19
506	20	18	100	18
Total eligible	54	49	566	100
Not eligible	57	51	0	0
Total	111	100	566	100

Table 31
Placement System for Scores on the College Board CLEP Subject Examination in College French Received by the Measurement and Evaluation Center After September 7, 1989 - The University of Texas at Austin

Composite Score	Course and Grade				Register for
	506	507	312K	312L	
67-80	A	A	A	A	Upper Division Course
63-66	A	A	A	B	
61-62	A	A	A	C	
60	A	A	B	C	
59	A	A	B		French 312L, 312M, 312N, or 310L
57-58	A	B	B		
55-56	A	B	C		
54	A	B			French 312K, 310K, or 610
49-53	A	C			
48	A				French 508K
43-47	B				
40-42	C				
20-39	No Credit				French 506 or 604

The College Board AP Examination in French Language is approximately two hours and 30 minutes long. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing and speaking skills.

A College Board rating of 5 on this examination qualifies a student for credit in the first four courses in the major sequence (French 506, 507, 312K, 312L), and in French 320E, 322E, and 371L --all seven courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and for French 320E and 322E. A rating of 3 qualifies the student for credit with *A*'s in the first three courses, a *B* for French 312L, and credit only for French 320E. The lower rating of 2 merits credit for French 506 and 507 with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP French Language are presented in Table 32. There were 63 test scores evaluated with 55 test scores qualifying for 985 semester hours of credit eligibility.

Table 32
Credit by Examination: AP French Language
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses					Semester Hours of Credit Eligibility
			506, 507	312K, 312L	320E	322E	371L	
5	12	12	12	12	12	12	12	288
4	3	3	3	3	3	3	--	63
3	26	26	26	26	26	--	--	494
2	14	14	14	--	--	--	--	140
1	8	0	--	--	--	--	--	0
Total	63	55	55	41	41	15	12	985

The College Board AP Examination in French Literature is approximately three hours long. The multiple-choice section is between 70 and 90 minutes in length; the free-response portion is between 90 and 105 minutes long.

A College Board rating of 5 on this examination qualifies a student for credit in the first four courses in the major sequence (French 506, 507, 312K, 312L), plus French 321L, 326L, and 320E -- all seven courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and for French 321L and 326L. A rating of 3 qualifies the student for credit with *A*'s in the first three courses, a *B* for French 312L, and credit only for French 321L. The lower rating of 2 merits credit for French 506 and 507 with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP French Literature are presented in Table 33. The five scores meriting credit from the Literature examination generated 91 semester hours of credit eligibility.

Table 33
Credit by Examination: AP French Literature
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses					Semester Hours of Credit Eligibility
			506, 507	312K 312L	321L	326L	320E	
5	1	1	1	1	1	1	1	24
4	0	0	0	0	0	0	--	0
3	3	3	3	3	3	--	--	57
2	1	1	1	--	--	--	--	10
1	1	0	--	--	--	--	--	0
Total	6	5	5	4	4	1	1	91

The 1990-1991 program of credit by examination in French is documented in Table 34, which shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and semester hours of credit eligibility. The College Board Achievement Test in French had 377 test scores warranting credit; they produced 3,489 semester hour of credit eligibility. The 69 Advanced Placement Examinations included 60 with scores qualifying students for 1,076 semester hours of credit. Overall, 5,167 semester hours of credit eligibility were generated by 497 (68%) of the 728 tests.

Table 34
Summary of Credit by Examination in French
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Achievement	542	74	377	76	3,489	68
CLEP	111	15	54	11	566	11
AP	69	9	60	12	1,076	21
Departmental:						
Miscellaneous	6	1	6	1	36	1
Total	728	99*	497	100	5,167	101*

* This figure differs from 100% because of rounding.

GERMAN

During the 1990-1991 testing year, three College Board examinations were used to award credit by examination in German at UT Austin: the Achievement Test in German Listening-Reading and the CLEP Subject Examination in College German -- each with additional questions constructed by the Department of Germanic Languages -- and the Advanced Placement Examination in German Language.

Between April 1, 1990 and August 30, 1990, the more commonly used test was the College Board Achievement Test in German Listening-Reading with the UT Austin items, available only on the UT Austin campus. The College Board test is divided into two sections -- a 20-minute taped listening portion and a 40-minute reading portion; an additional 30 minutes is allowed for the UT Austin items. Students who have not taken the test previously are eligible to attempt to earn credit by means of this test. It is required of all students who have knowledge of German, who have no college credit in German, and who intend to enroll in a UT Austin German course. It is possible for students to earn credit for the first four German courses: German 506--*First-Year German I*, German 507--*First-Year German II*, German 312K--*Second-Year German I*, and German 312L--*Second-Year German II* (each second-year course consists of readings in the humanities and social sciences).

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 226 Achievement tests in German Listening-Reading. Table 35 presents the results, by course, of those tests. The number of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 36; the results are arranged by combination of courses for which credit was earned.

The 146 tests with qualifying scores yielded 1,022 semester hours of credit eligibility. The largest segment of this eligible test volume was that of the 108 scores that earned credit for German 506 only with a total of 540 semester hours.

Table 35
Credit by Examination: Achievement Test in German Listening-Reading
1990-1991
(Number of Test Scores Evaluated: 226)

Course	Test Scores Generating Eligibility	Grade A	Grade B	Grade C	Semester Hours of Credit Eligibility
506	146	68	46	32	730
507	38	25	13	0	190
312K	23	13	10	0	69
312L	11	7	3	1	33
Total	--	--	--	--	1,022

Table 36
Credit by Examination: Achievement Test in German Listening-Reading
1990-1991

Combination of Courses	Test Scores Evaluated N	Test Scores Evaluated %	Semester Hours of Credit Eligibility N	Semester Hours of Credit Eligibility %
506, 507, 312K, 312L	11	5	176	17
506, 507, 312K	12	5	156	15
506, 507	15	7	150	15
506	108	48	540	53
Total eligible	146	65	1,022	100
Not eligible	80	35	0	0
Total	226	100	1,022	100

After August 30, 1990, the CLEP Subject Examination in College German, with the UT Austin items, replaced the College Board Achievement Test in German Listening-Reading. The CLEP test is divided into two sections -- a 60-minute reading portion and a 30-minute taped listening portion; an additional 30 minutes is allowed for the UT Austin items. Students who have not taken the test within the past six months are eligible to attempt to earn credit by means of this test. It is required of all students who have knowledge of German, who have no college credit in German, and who intend to enroll in a UT Austin German course. It is possible for students to earn credit for the first four German courses: German 506--*First-Year German I*, German 507--*First-Year German II*, German 312K--*Second-Year German I*, and German 312L--*Second-Year German II* (each second-year course consists of readings in the humanities and social sciences).

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 59 tests in CLEP College German. Table 37 presents the results, by course, of those tests. The number of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 38; the results are arranged by combination of courses for which credit was earned.

Table 37
Credit by Examination: CLEP College German
1990-1991
(Number of Test Scores Evaluated: 59)

Course	Test Scores Generating Eligibility	Grade *A*	*B*	*C*	Semester Hours of Credit Eligibility
506	27	21	5	1	135
507	11	10	1	0	55
312K	10	9	1	0	30
312L	8	5	3	0	24
Total	--	--	--	--	244

Table 38
Credit by Examination: CLEP College German
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L	8	14	128	52
506, 507, 312K	2	3	26	11
506, 507	1	2	10	4
506	16	27	80	33
Total eligible	27	46	244	100
Not eligible	32	54	0	0
Total	59	100	244	100

The College Board AP examination in German Language is three hours long. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing skills. A College Board rating of 5 on this examination qualifies a student for credit in the first four German courses (506, 507, 312K, 312L) and in German 328 -- all five courses with the letter grade of *A*. The student who earns a rating of 4 becomes eligible for credit in the first four courses, again with the grade of *A* for each course. A score of 3 qualifies a student for credit with *A*'s in the first three German courses, while a College Board rating of 2 earns *A*'s for only the first two German courses. A score of 1 does not qualify the student for any credit in German. During the 1990-1991 testing year 24 German Language AP scores were reported to UT Austin. Based on the eligible scores, 316 semester hours of credit eligibility were awarded.

Table 39
Credit by Examination: AP German Language
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses 506, 507	312K	312L	328	Semester Hours of Credit Eligibility
5	5	5	5	5	5	5	95
4	6	6	6	6	6	--	96
3	5	5	5	5	--	--	65
2	6	6	6	--	--	--	60
1	2	0	--	--	--	--	0
Total	24	22	22	16	11	5	316

Results of the1990-1991 credit-by-examination program in German are documented in Table 40, which shows the numbers and percentages of test scores evaluated, test scores generating eligibility, and semester hours of credit eligibility. The College Board Achievement Test in German Listening-Reading with the additional UT Austin items, administered by the Measurement and Evaluation Center, accounted for 72% of the test volume in German. On this test 146 scores warranted credit and produced 1,022 semester hours of credit eligibility -- 64% of the total of 1,597 semester hours in German.

Table 40
Summary of Credit by Examination in German
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Achievement	226	72	146	73	1,022	64
CLEP	59	19	27	14	244	15
AP	24	8	22	11	316	20
Departmental:						
Miscellaneous	4	1	4	2	15	1
Total	313	100	199	100	1,597	100

GOVERNMENT

Government 310L: *American Government*

Two College Board tests are used by the UT Austin Department of Government for credit by examination in Government 310L: the College-Level Examination Program Subject Examination in American Government and the Advanced Placement Examination in Government and Politics: United States. In addition to either test, a student must take the UT Austin Test for Credit in Texas Government, constructed locally by the department, before the composite score can be evaluated.

Eligible to take these optional examinations are individuals who have neither a passing nor a failing grade in Government 310L or its equivalent and have not taken the tests within the past six months.

During the 1990-1991 testing year 1,263 American Government scores were received for evaluation. The Measurement and Evaluation Center administered 923 CLEP American Government examinations; the remaining 30 CLEP scores were reported to the MEC from national administrations. There were 310 AP Examination scores evaluated during this time period.

Table 41
Credit by Examination in Government 310L: CLEP
American Government and UT Austin Items
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	339	36	1,017
With grade of *B*	242	25	726
With grade of *C*	178	19	534
Total eligible	759	80	2,277
Not eligible	194	20	0
Total	953	100	2,277

Table 42
Credit by Examination in Government: AP Government and
Politics, United States and UT Austin Items
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade *A*	*B*	*C*	Semester Hours of Credit Eligibility N
5	31	10	15	25	15	0	0	45
4	64	21	18	30	18	0	0	54
3	128	41	28	46	11	15	2	84
2	76	25	0	0	0	0	0	0
1	11	4	0	0	0	0	0	0
Total	310	101*	61	101*	44	15	2	183

* This figures differs from 100% because of rounding.

Table 43
Summary of Credit by Examination in Government
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
CLEP	953	75	759	93	2,277	93
AP	310	25	61	7	183	7
Total	1,263	100	820	100	2,460	100

HISTORY

Four different examinations are used at UT Austin to award credit by examination in history: the College Board Advanced Placement Examinations in European History and in American History and the UT Austin Tests for Credit in History 315K and History 315L.

History 309K: *Western Civilization in Medieval Times*
History 309L: *Western Civilization in Modern Times*

The College Board AP Examination in European History generally allows three hours of working time with one hour and 15 minutes for the multiple-choice section and one hour and 45 minutes for the free-response portion. For a College Board score of 5, a student is awarded credit for History 309K and 309L with the letter grade of *A* for each course. A score of 4 merits credit for both courses with the grade of *B*. Scores of 3, 2, or 1 are not eligible for credit.

Table 44 presents the results of scores from the College Board AP Examination in European History that were evaluated during 1990-1991. The numbers and percentages of test scores evaluated and test scores generating credit eligibility are shown, as well as the grades earned for both courses and the number of semester hours of credit eligibility generated. During this time period 120 scores were evaluated; 64 tests produced a total of 384 semester hours.

Table 44
Credit by Examination in History 309K and 309L:
AP European History
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade A	B	Semester Hours of Credit Eligibility N
5	30	25	30	47	30	--	180
4	34	28	34	53	--	34	204
3, 2, 1	56	47	0	0	--	--	0
Total	120	100	64	100	30	34	384

History 315K: *The United States, 1492-1865*
History 315L: *The United States Since 1865*

The College Board AP Examination in American History generally allows three hours of working time with one hour and 15 minutes for the multiple-choice section and one hour and 45 minutes for the free-response portion. For a College Board score of 5, a student is awarded credit for History 315K and 315L with the letter grade of *A* for each course. A score of 4 merits credit for both courses with the grade of *B*. Scores of 3, 2, or 1 are not eligible for credit.

Table 45 presents the results of scores from the College Board AP Examination in American History that were evaluated during 1990-1991. The numbers and percentages of test scores evaluated and test scores generating credit eligibility are shown, as well as the grades earned for both courses and the number of semester hours of credit eligibility generated. During this time period 653 scores were evaluated; 301 tests produced a total of 1,806 semester hours.

Table 45
Credit by Examination in History 315K and 315L:
AP American History
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade A	B	Semester Hours of Credit Eligibility N
5	85	13	85	28	85	--	510
4	216	33	216	72	--	218	1,296
3, 2, 1	352	54	0	0	--	--	0
Total	653	100	301	100	85	216	1,806

The UT Austin Tests for Credit in History 315K and 315L, constructed locally by the Department of History, are essay tests, each with three hours of working time allowed. These tests are administered only on the UT Austin campus. Eligible to take these optional tests are previously or currently enrolled students who have neither a passing nor a failing grade in the course for which they are attempting to earn credit.

Tables 46 and 47 show the results of these on-campus administrations during 1990-1991. The numbers and percentages of test scores evaluated, letter grades awarded, and semester hours of credit eligibility are presented.

Table 46
Credit by Examination in History 315K: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	0	0	0
With grade of *B*	2	40	6
With grade of *C*	2	40	6
Total eligible	4	80	12
Not eligible	1	20	0
Total	5	100	12

Table 47
Credit by Examination in History 315L: UT Austin
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	0	0	0
With grade of *B*	0	0	0
With grade of *C*	3	30	9
Total eligible	3	30	9
Not eligible	7	70	0
Total	10	100	9

Table 48 presents the results of the credit-by-examination program in history for the 1990-1991 testing year. The College Board AP Examination in American History provided the largest amount of test volume in this subject; 653 test scores were reported to UT Austin from national administrations of this examination. Of the 789 scores evaluated, 373 yielded 2,214 semester hours of credit eligibility.

Table 48
Summary of Credit by Examination in History
1990-1991

Test	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
AP: European	120	15	64	17	384	17
AP: American	653	83	301	81	1,806	82
UT	15	2	7	2	21	1
Departmental: Miscellaneous	1	<1	1	<1	3	<1
Total	789	100	373	100	2,214	100

LATIN

Three tests are used to award credit by examination in Latin at UT Austin: the UT Austin Test for Credit in Latin and the College Board Advanced Placement Examination in Latin (Vergil and Catullus-Horace).

Titles of the six courses in which credit can be earned are as follows: Latin 506--*First-Year Latin I*, Latin 507--*First-Year Latin II*, Latin 311--*Second-Year Latin I: Selected Roman Writers*, Latin 312K--*Second-Year Latin II: Vergil's* Aeneid, Latin 312M--*Second-Year Latin II: Prose*, and Latin 316--*Second-Year Latin II: Classical and Medieval Writers*.

On the UT Austin Test for Credit in Latin, a student may attempt to earn credit for any/all of the six courses listed above. A suggested time of three hours is given for this essay test; additional time may be used if necessary. Table 49 displays the results of this test during the 1990-1991 testing year. The table does not show all of the possible combinations of courses because no student earned credit in all of the courses; the table shows the credit eligibility actually earned.

Of the 19 Latin tests administered by the Measurement and Evaluation Center, 5 merited credit. A total of 46 semester hours of credit eligibility was generated by means of this locally constructed test.

Table 49
Credit by Examination in Latin: UT Austin
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 311	2	11	26	57
506, 507	1	5	10	22
506	2	11	10	22
Total eligible	5	26*	46	100*
Not eligible	14	74	0	0
Total	19	100	46	100

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

The annual AP Latin examinations have a common multiple-choice section that serves for either Latin test and two free-response sections -- one for the test on Vergil and one for the test on Catullus-Horace.

Credit for four Latin courses can be awarded for a satisfactory score on the AP Latin Vergil examination: Latin 506, 507, 311, and 312K. A College Board score of 5 or 4 on this test qualifies a student for credit for all four courses with the grade of *A*. A score of 3 allows a student credit eligibility with the grade of *A* for 506 and 507 and a grade of *B* for 311 and 312K. College Board scores of 2 and 1 are not awarded any credit.

Table 50 displays the results of the 1990-1991 evaluation of the AP Latin Vergil examination. Seventeen scores were received during this testing year. Twelve tests earned a total of 192 semester hours of credit eligibility. The other five scores did not merit credit.

Table 50
Credit by Examination in Latin:
AP Latin Vergil
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses				Semester Hours of Credit Eligibility
			506	507	311	312K	
5, 4	6	6	6	6	6	6	96
3	6	6	6	6	6	6	96
2, 1	5	0	0	0	0	0	0
Total	17	12	12	12	12	12	192

Credit for four Latin courses can be awarded for a satisfactory score on the AP Latin Catullus-Horace examination: Latin 506, 507, 311, and 316. A College Board score of 5 or 4 on this test qualifies a student for credit for all four courses with the grade of *A*. A score of 3 allows a student credit eligibility with the grade of *A* for 506 and 507 and a grade of *B* for 311 and 316. College Board scores of 2 and 1 are not awarded any credit.

Table 51 displays the results of the 1990-1991 evaluation of the AP Latin Catullus-Horace examination. Two scores were received during this testing year. One test earned a total of 16 semester hours of credit eligibility. The other score did not merit credit.

Table 51
Credit by Examination in Latin:
AP Latin Catullus-Horace
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses				Semester Hours of Credit Eligibility
			506	507	311	316	
5, 4	1	1	1	1	1	1	16
3	0	0	0	0	0	0	0
2, 1	1	0	0	0	0	0	0
Total	2	1	1	1	1	1	16

Results of the total 1990-1991 credit-by-examination program in Latin are documented in Table 52, which shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Overall, 19 of the 39 Latin test scores evaluated generated 267 semester hours.

Table 52
Summary of Credit by Examination in Latin
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
UT	19	49	5	26	46	17
AP	19	49	13	68	208	78
Departmental:						
Miscellaneous	1	3	1	5	13	5
Total	39	101*	19	99*	267	100

* This figure differs from 100% because of rounding.

Management Information Systems 310: *Introduction to Electronic Data Processing*

The UT Austin Test for Credit in MIS 310, constructed locally by faculty members of the UT Austin Department of Management Science and Information Systems, allows two and a half hours of working time. The test is administered only at the UT Austin campus. During the 1990-1991 testing year, the name of the course for which the test is used was changed from Data Processing and Analysis 310 to Management Information Systems 310; there was no change in course content.

Individuals who do not have a passing or a failing grade in MIS 310, who have credit for Mathematics 403K or its equivalent, and who have not taken the test previously are eligible to take this optional examination.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 29 MIS 310 tests. Twenty-eight of these tests qualified for 84 semester hours of credit eligibility.

Table 53
Summary of Credit by Examination in MIS 310
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	2	7	6
With grade of *B*	11	38	33
With grade of *C*	15	52	45
Total eligible	28	97	84
Not eligible	1	3	0
Total	29	100	84

Mathematics 301: *College Algebra*

Two tests, in combination, are used by the UT Austin Department of Mathematics in its program of credit by examination in Mathematics 301. The College Board CLEP Subject Examination in College Algebra allows one hour and 30 minutes of working time. An additional hour of working time is allowed for the second test prepared locally by the department.

Individuals who have not taken the tests within the past six months and have neither a passing nor a failing grade or grade symbol for Mathematics 301 are eligible to take these optional tests.

The results of credit by examination in Mathematics 301 for the 1990-1991 testing year are recorded in Table 54, which shows the numbers and percentages of test scores evaluated; also reported are the letter grades and number of semester hours of credit eligibility. The Measurement and Evaluation Center administered 32 CLEP College Algebra tests; 2 scores were reported from national administrations. Nineteen tests earned qualifying scores and produced 57 semester hours of credit eligibility.

Table 54
Credit by Examination in Mathematics 301: CLEP
College Algebra and UT Austin Items
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	14	41	42
With grade of *B*	1	3	3
With grade of *C*	4	12	12
Total eligible	19	56	57
Not eligible	15	44	0
Total	34	100	57

Note. Because eligibility for credit is not based on CLEP scores alone, no CLEP scores are listed.

Mathematics 305G: *Elementary Functions and Coordinate Geometry*

The UT Austin Department of Mathematics uses two College Board Achievement Tests for credit by examination in Mathematics 305G. The preferred test is Mathematics Level I, but Mathematics Level II may be used as an alternative. The Level I test is available in both institutional and national administrations; the Level II test is offered only through national administrations. Both tests allow one hour of working time.

Table 55 presents the results of the 1990-1991 testing year administrations, institutionally and nationally, of the Mathematics Achievement Tests, both Level I and Level II. Numbers and percentages of test scores evaluated are displayed along with the resulting number of letter grades and semester hours of credit eligibility.

The Measurement and Evaluation Center administered 4,276 of the Mathematics Achievement tests documented in this report. There were 1,828 scores from national administrations -- 1,339 scores for the Mathematics Level I test and 489 scores for the Mathematics Level II test. Overall, 6,104 scores from the Mathematics Achievement Tests were evaluated during the 1990-1991 testing year. A total of 2,774 test scores merited credit for Mathematics 305G, from which 8,322 semester hours of credit eligibility accrued.

Table 55
Credit by Examination in Mathematics 305G: Achievement Tests in Mathematics Level I and Mathematics Level II
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	588	10	1,764
With grade of *B*	1,155	19	3,465
With grade of *C*	1,031	17	3,093
Total eligible	2,774	45*	8,322
Not eligible	3,330	55	0
Total	6,104	100	8,322

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 700-800 = *A*, 610-699 = *B*, 560-609 = *C*, 200-559 = no credit.

Mathematics 408C: *Differential and Integral Calculus*

The College Board CLEP Subject Examination in Calculus with Elementary Functions allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade for Mathematics 408C are eligible to take this optional test.

Results from institutional and national administrations of the CLEP Calculus test for the 1990-1991 testing year are shown in Table 56. There were 52 calculus scores evaluated during this time period; 47 test scores accrued 188 semester hours of credit eligibility. The Measurement and Evaluation Center administered all except five of the examinations.

Table 56
Credit by Examination in Mathematics 408C:
CLEP Calculus with Elementary Functions
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	38	73	152
With grade of *B*	6	12	24
With grade of *C*	3	6	12
Total eligible	47	90*	188
Not eligible	5	10	0
Total	52	100	188

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 56-80 = *A*, 51-55 = *B*, 46-50 = *C*, 20-45 = no credit.

Mathematics 408C, 308K, and 308L: *Calculus*

Two College Board Advanced Placement Examinations are used in the credit-by-examination program for mathematics -- the Mathematics AP Examinations in Calculus AB and in Calculus BC. Each of these examinations allots approximately three hours of working time. Each examination is divided into two sections: Section I consists of multiple-choice questions and Section II consists of problems requiring written solutions. The two sections are allotted roughly equal time.

On the Calculus AB examination, College Board scores of 5 and 4 merit credit for Mathematics 408C with the letter grade of *A*. A score of 3 is awarded a *B* for the course; scores of 2 and 1 do not yield credit eligibility.

A summary of results from the College Board AP Examinations in Mathematics Calculus AB for 1990-1991 is presented in Table 57. On this examination, 608 scores were evaluated and 515 eligible test scores produced 2,060 semester hours of credit eligibility.

Table 57
Credit by Examination in Mathematics 408C:
AP Mathematics Calculus AB
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade *A*	*B*	Semester Hours of Credit Eligibility N
Calculus AB							
5, 4	341	56	341	66	341	--	1,364
3	174	29	174	34	--	174	696
2, 1	93	15	0	0	--	--	0
Total	608	100	515	100	341	174	2,060

Students have a choice in the mathematics courses they can accept if they qualify on the Calculus BC examination. The choices are shown below.

College Board Score	UT Austin Courses and Grades		
5	M 408C, *A*	or	M 308K, *A* and M 308L, *A*
4	M 408C, *A*	or	M 308K, *A* and M 308L, *B*
3	M 408C, *B*	or	M 308K, *B* and M 308L, *B*

Students with scores of 5 - 3 may elect to take the UT Austin test over multivariate calculus, administered by the Department of Mathematics, for possible credit in M 408D.

A summary of results from the College Board AP Examinations in Mathematics Calculus BC for 1990-1991 is presented in Table 58. On this examination, with a test volume of 167, the Calculus BC examination produced 143 eligible scores and 572 semester hours.

Table 58
Credit by Examination in Mathematics 408C, or 308K and 308L:
AP Mathematics Calculus BC
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade A	B	Semester Hours of Credit Eligibility N
Calculus BC							
5, 4	96	57	96	67	96	--	384
3	47	28	47	33	--	47	188
2, 1	24	14	0	0	--	--	0
Total	167	99*	143	100	96	47	572

* This figure differs from 100% because of rounding.

Note. Re scores from the Calculus BC examination, it is not known which course options the students elected to claim as credit by examination. Therefore, in this report, all Calculus BC scores are recorded arbitrarily under M 408C.

Results of the total UT Austin 1990-1991 credit-by-examination program in mathematics are documented in Table 59. Numbers and percentages are shown for test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. The College Board Achievement Tests in Mathematics Level I and Level II provided the largest portion of the mathematics test volume. During this time period 6,104 Achievement Test scores were evaluated. The 2,774 qualifying scores from these two tests generated 8,322 semester hours of credit eligibility.

Table 59
Summary of Credit by Examination in Mathematics
1990-1991

Test and Course(s)	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
CLEP:						
M 301	34	<1	19	1	57	1
Achievement:						
M 305G	6,104	87	2,774	79	8,322	74
CLEP:						
M408C	52	1	47	1	188	2
AP (Calculus AB):						
M408C	608	9	515	15	2,060	18
AP (Calculus BC):						
M408C, or M308K and M308L	167	2	143	4	572	5
Departmental:						
Miscellaneous	24	<1	24	1	89	1
Total	6,989	99*	3,522	101*	11,288	101*

* This figure differs from 100% because of rounding.

PHYSICS

Physics 302K and 302L: *General Physics*
Physics 102M and 102N: *General Physics Laboratory I and II*

Two College Board tests are used to award credit by Examination in Physics 302K, 302L, 102M and 102N: the College Board Achievement Test in Physics and the College Board Advanced Placement Examination in Physics B.

The College Board Achievement Test in Physics allows one hour of working time. This optional test is available both in institutional administrations on the UT Austin campus

and in College Board national administrations. Results from both types of administrations from the 1990-1991 testing year are presented in Table 60. The Measurement and Evaluation Center gave 14 Physics Achievement tests during this time period; the remaining 176 were reported to UT Austin from national administrations. On 112 of the 190 scores evaluated by the Measurement and Evaluation Center, students earned 896 semester hours of credit eligibility.

Table 60
Credit by Examination in Physics: Achievement Test in Physics
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	40	21	320
With grade of *B*	32	17	256
With grade of *C*	40	21	320
Total eligible	112	59	896
Not eligible	78	41	0
Total	190	100	896

* Note. Score ranges: 690-800 = *A*, 630-689 = *B*, 570-629 = *C*, 200-569 = no credit.

The College Board Advanced Placement Examination in Physics B is three hours in length; the time is divided equally between a multiple-choice section and a free-response section. This optional test is available through national administrations.

College Board scores of 5 and 4 qualify the student for credit eligibility in Physics 302K, 302L, 102M, and 102N with the letter grade of *A* in each course. A score of 3 merits credit for each of the four courses with the grade of *B*. Scores of 2 and 1 are not eligible for credit.

Table 61 shows the results for the AP Examination in Physics B during the 1990-1991 testing year. Numbers and percentages of test scores evaluated and test scores generating eligibility are shown, as well as the resultant letter grades and semester hours of credit eligibility. On 62 of the 73 scores evaluated by the Measurement and Evaluation Center, students earned 496 semester hours.

Table 61
Credit by Examination in Physics: AP Physics B
1990-1991

AP Score	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Grade A	B	Semester Hours of Credit Eligibility N
5, 4	35	48	35	56	35	--	280
3	27	37	27	44	--	27	216
2, 1	11	15	0	0	--	--	0
Total	73	100	62	100	35	27	496

Physics 302K and 102M: *General Physics*, or
Physics 303K and 103M: *Engineering Physics I*, or
Physics 301 and 101L: *Mechanics*, or
Physics 317K and 117M: *General Physics I*

During the 1990-1991 testing year, two tests were used to award credit by examination for the physics courses listed above: the College Board Advanced Placement Examination in Physics C: Mechanics and the UT Austin Test for Credit in Physics: Mechanics.

The choice of courses for which a student may earn credit by examination depends on which of the two tests the student takes and the resulting scores. The reader is referred to the Measurement and Evaluation Center's brochure, *Course Placement and Credit by Examination 1990-1991*, pages 15 and 21, for a detailed listing of course options.

The College Board AP Examination in Physics C: Mechanics allows 45 minutes of working time for the multiple-choice portion and 45 minutes for the free-response section. The UT Austin Test for Credit in Physics: Mechanics has the same time constraints.

Results from the 1990-1991 national and institutional administrations in Physics: Mechanics are documented in Table 62. The institutionally administered tests are shown in a single row. The nationally administered tests are displayed by College Board AP Examination ratings. This table does not report the students' selection of specific courses. Numbers and percentages of test scores evaluated and test scores generating credit are shown as well as the number of semester hours of credit eligibility.

The Measurement and Evaluation Center administered 17 tests in Physics: Mechanics. The remaining 76 scores were reported from national administrations of the AP Physics C: Mechanics examination. Overall, 93 scores were evaluated, with 59 scores generating 236 semester hours of credit.

Table 62
Credit by Examination in Physics: Mechanics
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility
	N	%	N	%	N
UT	17	18	2	3	8
AP Physics C: Mechanics					
5	17	18	17	29	68
4	18	19	18	31	72
3	22	24	22	37	88
2, 1	19	20	0	0	0
Total	93	99*	59	100	236

*This figure differs from 100% because of rounding.

Physics 302L and 102N: *General Physics*, or
Physics 303L and 103N: *Engineering Physics II*, or
Physics 316 and 116L: *Electricity and Magnetism*, or
Physics 317L and 117N: *General Physics II*

During the 1990-1991 testing year, two tests were used to award credit by examination for the physics courses listed above: the College Board Advanced Placement Examination in Physics C: Electricity and Magnetism and the UT Austin Test for Credit in Physics: Electricity and Magnetism.

The choice of courses for which a student may earn credit by examination depends on which of the two tests the student takes and the resulting scores. The reader is referred to the Measurement and Evaluation Center's brochure, *Course Placement and Credit by Examination 1990-1991*, pages 15 and 21, for a detailed listing of course options.

The College Board AP Examination in Physics C: Electricity and Magnetism allows 45 minutes of working time for the multiple-choice portion and 45 minutes for the free-

response section. The UT Austin Test for Credit in Physics: Electricity and Magnetism has the same time constraints.

Results from the 1990-1991 national and institutional administrations in Physics: Electricity and Magnetism are documented in Table 63. The institutionally administered tests are shown in a single row. The nationally administered tests are displayed by College Board AP Examination ratings. This table does not report the students' selection of specific courses. Numbers and percentages of test scores evaluated and test scores generating credit are shown as well as the number of semester hours of credit eligibility.

The Measurement and Evaluation Center administered 24 tests in Physics: Electricity and Magnetism. The remaining 56 scores were reported from national administrations of the College Board AP Physics C: Electricity and Magnetism examination. Overall, 80 scores were evaluated, with 41 scores generating 164 semester hours of credit.

Table 63
Credit by Examination in Physics: Electricity and Magnetism
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility
	N	%	N	%	N
UT	24	30	4	10	16
AP Physics C: Electricity and Magnetism					
5	11	14	11	27	44
4	12	15	12	29	48
3	14	18	14	34	56
2, 1	19	24	0	0	0
Total	80	101*	41	100	164

* This figure differs from 100% because of rounding.

Table 64 documents the results of credit by examination in physics during the 1990-1991 testing year. The College Board Achievement Test in Physics produced the majority of the volume -- 190 scores evaluated with a resulting 896 semester hours of credit eligibility.

Table 64
Summary of Credit by Examination in Physics
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Achievement	190	43	112	41	896	50
AP: Physics B	73	17	62	23	496	28
UT: Mechanics	17	4	2	1	8	<1
AP: Physics C Mechanics	76	17	57	21	228	13
UT: Electricity and Magnetism	24	5	4	1	16	1
AP: Physics C Electricity and Magnetism	56	13	37	13	148	8
Departmental: Miscellaneous	1	<1	1	<1	3	<1
Total	437	99*	275	100	1,795	100

* This figure differs from 100% because of rounding.

PSYCHOLOGY

Psychology 301: *Introduction to Psychology*

The College Board College-Level Examination Program Subject Examination in General Psychology allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade for Psychology 301 are eligible to take this optional test.

Table 65 presents the results of credit by examination in psychology during the 1990-1991 testing year. The Measurement and Evaluation Center administered 35 CLEP psychology examinations during this time. Twenty-eight qualifying test scores generated 84 semester hours of credit eligibility.

Table 65
Summary of Credit by Examination in Psychology
1990-1991

Eligible for Credit	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility
With grade of *A*	0	0	0
With grade of *B*	10	29	30
With grade of *C*	18	51	54
Total eligible	28	80	84
Not eligible	7	20	0
Total	35	100	84

Note. Score ranges: 65-80 = *A*, 55-64 = *B*, 47-54= *C*, 20-46 = no credit.

RUSSIAN

The Department of Slavic Languages used two types of tests during the 1990-1991 testing year to award credit by examination in Russian at UT Austin: the Achievement Test in Russian Listening-Reading and the Russian Proficiency Test.

Between April 1, 1990 and August 30, 1990, the Achievement Test in Russian Listening-Reading was available on the UT Austin campus. This test is divided into two sections -- a 20-minute taped portion and a 40-minute reading portion. Eligible to take this test are individuals who have not taken the test previously. The test is required of all students with previous knowledge of Russian who intend to enroll in a UT Austin Russian course.

Credit by examination can be earned for the following five lower-division courses: Russian 506--*First-Year Russian I*, Russian 507--*First-Year Russian II*, Russian 312K--*Second-Year Russian I*, Russian 312L--*Second-Year Russian II*, and Russian 218--*Practice in Spoken Russian I*.

Credit is based on a combination of test scores and the results of a personal interview with a faculty member in the Department of Slavic Languages. Credit is reported to the Measurement and Evaluation Center as students complete their interviews.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 14 College Board Achievement Tests in Russian Listening-Reading. Table 66 presents the results, by course, of those tests. The number of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 67; the results are arranged by combination of courses in which credit was generated.

Table 66
Credit by Examination: Achievement Test in Russian Listening-Reading
1990-1991
(Number of Test Scores Evaluated: 14)

Course	Test Scores Generating Eligibility	Grade A	Grade B	Grade C	Semester Hours of Credit Eligibility
506	10	8	1	1	50
507	8	8	0	0	40
312K	7	7	0	0	21
312L	7	7	0	0	21
218	7	7	0	0	14
Total	--	--	--	--	146

Table 67
Credit by Examination: Achievement Test in Russian Listening-Reading
1990-1991

Combination of Courses	Test Scores Evaluated N	Test Scores Evaluated %	Semester Hours of Credit Eligibility N	Semester Hours of Credit Eligibility %
506, 507, 312K, 312L, 218	7	50	126	86
506, 507, 312K 312L	0	0	--	--
506, 507, 312K	0	0	--	--
506, 507	1	7	10	7
506	2	14	10	7
Total eligible	10	71	146	100
Not eligible	4	29	0	0
Total	14	100	146	100

After August 30, 1990, the Russian Proficiency Test replaced the College Board Achievement Test in Russian Listening-Reading. The test is divided into two sections -- a 15-minute taped portion and a 30-minute reading portion. Eligible to take this test are individuals who have not taken the test previously. The test is required of all students with previous knowledge of Russian who intend to enroll in a UT Austin Russian course.

Credit by examination can be earned for the following five lower-division courses: Russian 506--*First-Year Russian I*, Russian 507--*First-Year Russian II*, Russian 312K--*Second-Year Russian I*, Russian 312L--*Second-Year Russian II*, and Russian 218--*Practice in Spoken Russian I*.

Credit is based on a combination of test scores and the results of a personal interview with a faculty member in the Department of Slavic Languages. Credit is reported to the Measurement and Evaluation Center as students complete their interviews.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered seven Russian Proficiency Tests. Table 68 presents the results, by course, of those tests. The number of test scores generating credit, the letter grades, and the number of semester hours of credit eligibility generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 69; the results are arranged by combination of courses in which credit was generated.

Table 68
Credit by Examination: Russian Proficiency Test
1990-1991
(Number of Test Scores Evaluated: 7)

Course	Test Scores Generating Eligibility	Grade			Semester Hours of Credit Eligibility
		A	*B*	*C*	
506	7	6	1	0	35
507	4	4	0	0	20
312K	3	3	0	0	9
312L	3	3	0	0	9
218	3	3	0	0	6
Total	--	--	--	--	79

Table 69
Credit by Examination: Russian Proficiency Test
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L, 218	3	43	54	68
506, 507, 312K 312L	0	0	--	--
506, 507, 312K	0	0	--	--
506, 507	1	14	10	13
506	3	43	15	19
Total eligible	7	100	79	100
Not eligible	0	0	0	0
Total	7	100	79	100

The overall 1990-1991 credit-by-examination program in Russian is documented in Table 70. The College Board Achievement Test in Russian Listening-Reading constituted 45% of the Russian test volume. This test had 10 scores that warranted credit and produced 146 semester hours of credit.

Table 70
Summary of Credit by Examination in Russian
1990-1991

Test	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Achievement	14	45	10	37	146	58
Proficiency	7	23	7	26	79	31
Departmental: Miscellaneous	10	32	10	37	28	11
Total	31	100	27	100	253	100

SOCIOLOGY

Sociology 302: *Introduction to the Study of Society*

The College Board College-Level Examination Program Subject Examination in Sociology allows 90 minutes of working time. Individuals who have not taken the test within the past six months and have neither a passing nor a failing grade in Sociology 302 or its equivalent are eligible to take this optional test.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 117 CLEP Sociology examinations on the UT Austin campus; 2 scores were reported to UT Austin from national administrations of the examination.

Table 71 presents the results of credit by examination in sociology during the time period under review. Numbers and percentages of test scores evaluated are recorded with the corresponding numbers of semester hours of credit eligibility. A total of 119 CLEP Sociology scores was evaluated; 108 scores qualified for 324 semester hours of credit eligibility.

Table 71
Summary of Credit by Examination in Sociology
1990-1991

Eligible for Credit	Test Scores Evaluated N	Test Scores Evaluated %	Semester Hours of Credit Eligibility
With grade of *A*	49	41	147
With grade of *B*	41	34	123
With grade of *C*	18	15	54
Total eligible	108	91*	324
Not eligible	11	9	0
Total	119	100	324

* Because of rounding, this figure differs from that obtained by addition of the above three figures.

Note. Score ranges: 64-80 = *A*, 59-63 = *B*, 53-58 = *C*, 20-52 = no credit.

SPANISH

Four College Board examinations are used to award credit by examination in Spanish at UT Austin: the Achievement Test in Spanish Listening-Reading, the College Level Examination Program (CLEP) Subject Examination in College Spanish, and two Advanced Placement Examinations in Spanish -- Spanish Language and Spanish Literature.

Between April 1, 1990 and August 30, 1990, the Achievement Test in Spanish Listening-Reading was available on the UT Austin campus. This test is divided into two sections -- a 20-minute taped portion and a 40-minute reading portion. Students who have not taken the test previously are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of Spanish, who have no college credit in Spanish, and who intend to enroll in a UT Austin Spanish course. It is possible for students to earn credit for the first four courses in the major four-skill sequence: Spanish 506--*First-Year Spanish I*, Spanish 507--*First-Year Spanish II*, Spanish 312K--*Second-Year Spanish I*, and Spanish 312L--*Second-Year Spanish II*.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 2,054 Spanish Achievement Listening-Reading tests. Table 72 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 73 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 72
Credit by Examination: Achievement Test in Spanish Listening-Reading
1990-1991
(Number of Test Scores Evaluated: 2,054)

Course	Test Scores Generating Eligibility	Grade			Semester Hours of Credit Eligibility
		A	*B*	*C*	
506	1,499	835	320	344	7,495
507	966	555	164	247	4,830
312K	663	325	166	172	1,989
312L	513	237	136	140	1,539
Total	--	--	--	--	15,853

The 1,499 tests on which students earned qualifying scores produced 15,853 semester hours of credit eligibility. The largest segment of this eligible test volume was that of the 533 test scores that earned credit for Spanish 506 only. The second-ranked group was the 513 that merited the maximum amount of credit eligibility (16 semester hours) available for successful performance on this test. This group earned 8,208 hours of credit.

Table 73
Credit by Examination: Achievement Test in Spanish Listening-Reading
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L	513	25	8,208	52
506, 507, 312K	150	7	1,950	12
506, 507	303	15	3,030	19
506	533	26	2,665	17
Total eligible	1,499	73	15,853	100
Not eligible	555	27	0	0
Total	2,054	100	15,853	100

Table 74
Placement System for Scores on the College Board Achievement Test in Spanish Listening-Reading Received by the Measurement and Evaluation Center After April 1, 1987 - The University of Texas at Austin

Composite Score	Course and Grade				Register for
	506	507	312K	312L	
750-800	A	A	A	A	Spanish 315M, 315N, or 318
710-749	A	A	A	B	
690-709	A	A	B	B	
640-689	A	A	B	C	
630-639	A	A	C	C	
610-629	A	A	C		Spanish 312L
570-609	A	B	C		
550-569	A	B			Spanish 312K
520-549	A	C			
490-519	B	C			
460-489	B				Spanish 508K
420-459	C				
200-419	No Credit				Spanish 508K or 506

After August 30, 1990, the CLEP Subject Examination in College Spanish replaced the College Board Achievement Test in Spanish Listening-Reading. The CLEP test is divided into two sections -- a 45-minute reading portion and a 45-minute taped portion. Students who have not taken the test within the past six months are eligible to earn credit by examination by means of this test. The test is required of all students who have knowledge of Spanish, who have no college credit in Spanish, and who intend to enroll in a UT Austin Spanish course. It is possible for students to earn credit for the first four courses in the major four-skill sequence: Spanish 506--*First-Year Spanish I*, Spanish 507--*First-Year Spanish II*, Spanish 312K--*Second-Year Spanish I*, and Spanish 312L--*Second-Year Spanish II*.

During the 1990-1991 testing year, the Measurement and Evaluation Center administered 675 CLEP Subject Examinations in College Spanish; an additional 16 scores were reported from national administrations. Table 75 presents the results, by course, of those tests. The numbers generating credit, the letter grades, and the number of semester hours generated for a specific course are recorded. Data on the same tests are shown in a different format in Table 76 with results arranged by the combination of courses for which the students earned credit eligibility.

Table 75
Credit by Examination: CLEP Subject Examination in College Spanish.
1990-1991
(Number of Test Scores Evaluated: 691)

Course	Test Scores Generating Eligibility	Grade			Semester Hours of Credit Eligibility
		A	*B*	*C*	
506	327	252	37	38	1,635
507	263	201	28	34	1,315
312K	218	146	39	33	654
312L	185	123	27	35	555
Total	--	--	--	--	4,159

The 327 tests on which students earned qualifying scores produced 4,159 semester hours of credit eligibility. The largest segment of this eligible test volume was the 185 that merited the maximum amount of credit eligibility (16 semester hours) available for successful performance on this test. This group earned 2,690 hours of credit.

Table 76
Credit by Examination: CLEP Subject Examination in College Spanish
1990-1991

Combination of Courses	Test Scores Evaluated N	%	Semester Hours of Credit Eligibility N	%
506, 507, 312K, 312L	185	27	2,960	71
506, 507, 312K	33	5	429	10
506, 507	45	7	450	11
506	64	9	320	8
Total eligible	327	47*	4,159	100
Not eligible	364	53	0	0
Total	691	100	4,159	100

* Because of rounding, this figure differs from that obtained by addition of the above four figures.

Table 77
Placement System for Scores on the College Board CLEP Subject Examination in College Spanish Received by the Measurement and Evaluation Center After April 1, 1987 - The University of Texas at Austin

Composite Score	Course and Grade 506	507	312K	312L	Register for
71-80	A	A	A	A	Spanish 315M, 315N, or 318
67-70	A	A	A	B	
66	A	A	B	B	
61-65	A	A	B	C	
59-60	A	A	C		Spanish 312L
56-58	A	B	C		
54-55	A	B			Spanish 312K
51-53	A	C			
49-50	B	C			
46-48	B				Spanish 508K
43-45	C				
20-42	No Credit				Spanish 508K or 506

The College Board AP Examination in Spanish Language is approximately two hours and 30 minutes long. Listening and reading abilities are tested in the multiple-choice portion; the free-response portion evaluates writing and speaking skills.

A College Board rating of 5 on this examination qualifies a student for credit in the first four courses in Spanish (506, 507, 312K, 312L) and in Spanish 319 and 327 -- all six courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and *B*'s for Spanish 319 and 327. A rating of 3 qualifies the student for credit with *A*'s in the first four courses and with a grade of *B* in Spanish 319 . The rating of 2 merits credit in the first three Spanish courses with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP Spanish Language are presented in Table 78. A total of 191 test scores was evaluated, with 180 scores earning 3,498 semester hours of credit eligibility.

Table 78
Credit by Examination: AP Spanish Language
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses					Semester Hours of Credit Eligibility
			506, 507	312K	312L	319	327	
5	43	43	43	43	43	43	43	946
4	49	49	49	49	49	49	49	1,078
3	55	55	55	55	55	55	--	1,045
2	33	33	33	33	--	--	--	429
1	11	0	--	--	--	--	--	0
Total	191	180	180	180	147	147	92	3,498

The College Board AP Examination in Spanish Literature is approximately three hours long. The multiple-choice section is between 70 and 90 minutes in length; the free-response portion is between 90 and 100 minutes long.

A College Board rating of 5 on this examination qualifies a student for credit in the first four Spanish courses (506, 507, 312K, 312L) and in Spanish 315N and 327 -- all six courses with the letter grade of *A*. The student with a rating of 4 earns a grade of *A* for the first four courses and a grade of *B* in Spanish 315N and 327. A rating of 3 qualifies the student for credit with *A*'s in the first four courses and credit for Spanish 315N with a *B*. The lower rating of 2 merits credit in the first three courses with *A*'s for each course. A rating of 1 is not eligible for credit.

The results of the AP Spanish Literature are presented in Table 79. Nineteen test scores were evaluated from the Spanish Literature Examination, all but two of which merited credit. A total of 359 semester hours of credit resulted from this test.

Table 79
Credit by Examination: AP Spanish Literature
1990-1991

AP Score	Test Scores Evaluated	Test Scores Generating Eligibility	Courses					Semester Hours of Credit Eligibility
			506, 507	312K	312L	315N	327	
5	4	4	4	4	4	4	4	88
4	8	8	8	8	8	8	8	176
3	5	5	5	5	5	5	--	95
2	0	0	0	0	--	--	--	0
1	2	0	--	--	--	--	--	0
Total	19	17	17	17	17	17	12	359

The 1990-1991 program of credit by examination in Spanish is documented in Table 80, which shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Scores on the College Board Achievement Test in Spanish, administered by the Measurement and Evaluation Center, accounted for 68% of the volume in the testing program in Spanish. On this test, 1,499 scores warranted credit. The successful Achievement Tests produced 15,853 semester hours of credit eligibility -- 66% of the total of 24,017 semester hours.

Table 80
Summary of Credit by Examination in Spanish
1990-1991

Test	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Achievement	2,054	68	1,499	72	15,853	66
CLEP	691	23	327	16	4,159	17
AP	210	7	197	10	3,857	16
Department: Miscellaneous	46	2	46	2	148	1
Total	3,001	100	2,069	100	24,017	100

Summary

This report documents the results of UT Austin's program of credit by examination during the 1990-1991 testing year. The data present a basis for a comprehensive picture of the impact of the program on this campus. The examinations covered 51 subject areas taught in 32 departments/ divisions in nine colleges and schools of the University: Business Administration, Communication, Education, Engineering, Fine Arts, Liberal Arts, Natural Sciences, Nursing, and Pharmacy.

Evaluation of 23,748 test scores is recorded in this report. Because many students took more than one test, the total number of tests exceeds the actual number of students who attempted to earn credit by examination.

On 12,704 (53%) of these tests, students achieved scores high enough to qualify for 69,172 semester hours of credit eligibility. No attempt is made in this report to document the semester hours of credit reported by the Measurement and Evaluation Center to the Registrar's office for this testing year.

Table 81 and Figure 1 display the results of tests in the 12 subjects in which the majority of the students were tested during 1990-1991: biology, chemistry, Chinese, computer sciences, English, French, German, government, history, mathematics, physics, and Spanish. This table shows the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility generated in each area. Figure 1 compares test volume and semester hours generated among the same 12 subjects.

Those 12 subjects accounted for 23,173 examinations. That number represents 98% of the total test volume during 1990-1991, with all other subjects making up the remaining 2%. With satisfactory scores on 12,211 tests, those 12 high volume subjects also produced most of the credit eligibility generated by the program: 66,045 semester hours -- 95% of the total of 69,172.

Three subjects stand out as the ones in which students most often attempted to earn credit by examination: English and Spanish in the College of Liberal Arts and mathematics in the College of Natural Sciences. During the 1990-1991 testing year, 75% of the test scores evaluated were in those three subjects. In combination, those three subjects provided 71% of the test scores warranting credit eligibility, and the majority of semester hours of credit eligibility -- 66% of the total semester hours -- fell within these areas.

Table 81
Summary of Credit by Examination at UT Austin:
Test Volume and Credit Eligibility
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Credit Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Biology	289	1	164	1	1,077	2
Chemistry	967	4	473	4	1,635	2
Chinese	265	1	245	2	4,075	6
Computer Sciences	292	1	170	1	508	1
English	7,840	33	3,404	27	10,212	15
French	728	3	497	4	5,167	7
German	313	1	199	2	1,597	2
Government	1,263	5	820	6	2,460	4
History	789	3	373	3	2,214	3
Mathematics	6,989	29	3,522	28	11,288	16
Physics	437	2	275	2	1,795	3
Spanish	3,001	13	2,069	16	24,017	35
Subtotal	*23,173*	*98**	*12,211*	*96*	*66,045*	*95**
All other subjects	575	2	493	4	3,127	5
Total	23,748	100	12,704	100	69,172	100

* Because of rounding, this percentage differs from that obtained by addition of the above twelve figures.

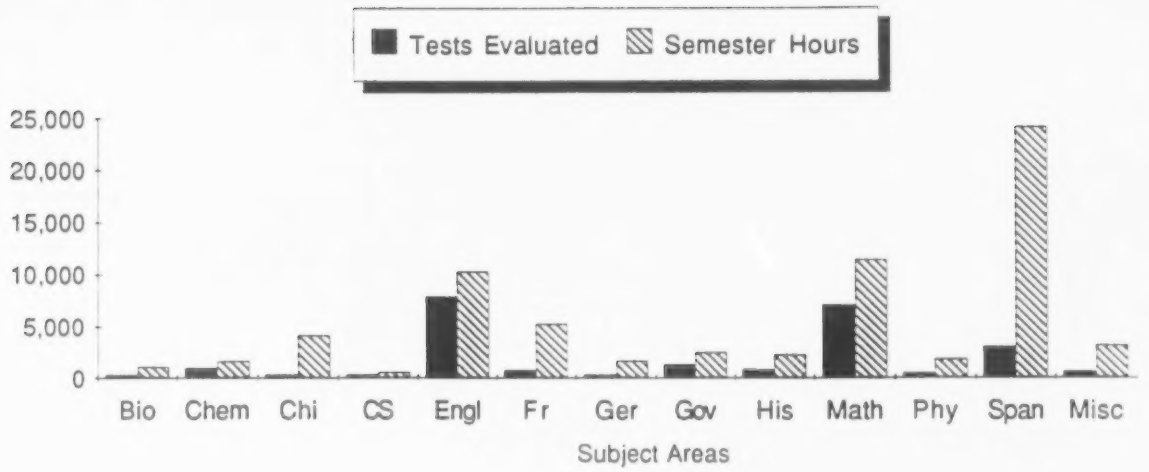

Figure 1. This figure displays test volume and semester hours of credit eligibility generated in the 12 major subject areas and in a miscellaneous category for all other subjects.

Table 82 compares results, by subject, from the 1990-1991 year with those from the 1989-1990 testing year. Numbers of test scores evaluated, test scores generating credit, and semester hours of credit eligibility are shown, as well as differences between the two years. The 12 subjects that generated the majority of the test volume are listed discretely; results of tests in all other subjects are combined.

The total of 23,748 test scores that were evaluated during the 1990-1991 testing year compared to a total of 27,829 during the preceding year -- a 15% decrease in test population. At the same time, there was an 11% decrease in the number of tests generating credit eligibility. The resulting number of semester hours of credit eligibility decreased 10% -- 7,473 fewer hours.

In English, the largest subject area in test volume, there was a decrease of 1,873 (-19%) in the number of test scores evaluated during 1990-1991 and a 13% decrease in the number of scores meriting credit. This decrease of qualifying scores resulted in a corresponding 18% decrease in the number of semester hours of credit eligibility earned.

Test scores evaluated in mathematics also experienced a decrease over the two years. There were 1,935 (-22%) fewer test scores evaluated during 1990-1991; there were 788 fewer qualifying scores and, as a consequence, the number of semester hours earned decreased by 17%.

Spanish had a 5% decrease in its test population. Spanish scores generating credit decreased by 10%, and the number of semester hours earned by the successful students decreased by 1,439 (-6%).

Table 82

Comparisons, by Subject, Including Numbers of Test Scores Evaluated, Test Scores Generating Eligibility, Semester Hours of Credit Eligibility, and Differences Between 1989-1990 and 1990-1991

Subject	Test Scores Evaluated				Test Scores Generating Eligibility				Semester Hours of Credit Eligibility			
	89-90 N	90-91 N	Differences N	%	89-90 N	90-91 N	Differences N	%	89-90 N	90-91 N	Differences N	%
Biology	295	289	-6	-2%	187	164	-23	-12%	1,293	1,077	-216	-17%
Chemistry	788	967	179	23%	358	473	115	32%	1,234	1,635	401	32%
Chinese	243	265	22	9%	227	245	18	8%	3,956	4,075	119	3%
Computer Sciences	299	292	-7	-2%	146	170	24	16%	480	508	28	6%
English	9,713	7,840	-1,873	-19%	3,919	3,404	-515	-13%	12,483	10,212	-2,271	-18%
French	1,015	728	-287	-28%	690	497	-193	-28%	7,201	5,167	-2,034	-28%
German	401	313	-88	-22%	270	199	-71	-26%	2,013	1,597	-416	-21%
Government	1,130	1,263	133	12%	758	820	62	8%	2,274	2,460	186	8%
History	788	789	1	0%	398	373	-25	-6%	2,166	2,214	48	2%
Mathematics	8,924	6,989	-1,935	-22%	4,310	3,522	-788	-18%	13,626	11,288	-2,338	-17%
Physics	580	437	-143	-25%	349	275	-74	-21%	2,420	1,795	-625	-26%
Spanish	3,147	3,001	-146	-5%	2,294	2,069	-225	-10%	25,456	24,017	-1,439	-6%
Subtotal	27,323	23,173	-4,150	-15%	13,906	12,211	-1,695	-12%	74,602	66,045	-8,557	-11%
All other subjects	506	575	69	14%	425	493	68	16%	2,043	3,127	1,084	53%
Total	27,829	23,748	-4,081	-15%	14,331	12,704	-1,627	-11%	76,645	69,172	-7,473	-10%

In history, testing volume was stable with one additional test score evaluated. There were 373 tests meriting credit -- a decrease of 6%, and a total of 2,214 semester hours of credit eligibility -- an increase of 2%. Government had a 12% increase in test volume. The 820 government test scores generating credit, an increase of 8%, produced 2,460 semester hours of credit.

Chinese had a 9% increase in its test population. Chinese scores generating credit increased by 8%, and the number of semester hours earned by the successful students increased by 119 (3%).

Test volume in German decreased by 88 tests. The number of scores generating credit decreased 26%. There was a corresponding decrease in semester hours of credit eligibility -- 416 fewer hours for a total of 1,597 hours.

Computer Sciences had a 2% decrease in test volume. There was a 16% increase in the number of scores meriting credit; a total of 508 semester hours of credit eligibility was produced, a 6% increase over the preceding year.

Test volume in French showed a 28% decrease, from 1,015 tests to 728. There were 193 fewer test scores that warranted credit, with a resulting total of 5,167 semester hours earned, a decrease of 28%.

Chemistry had a 23% increase in test volume. There was a 32% increase in the number of scores meriting credit; a total of 1,635 semester hours of credit eligibility was produced, a 32% increase from the preceding year.

Test volume decreased by 6 in biology, but 23 fewer tests generated credit. There was a 17% decrease in the number of semester hours of credit eligibility earned in 1990-1991.

Physics showed a 25% decrease in test volume, a 21% decrease in test scores generating credit, and a 26% decrease in the number of semester hours earned by the students.

Tests in all other subjects combined gained 14% in test volume, with 493 scores producing a total of 3,127 semester hours of credit eligibility.

Both Table 83 and Figure 2 provide a five-year summary of credit by examination at UT Austin. Numbers for test scores evaluated and semester hours of credit eligibility are recorded for the years 1986-1987 through 1990-1991. In Table 83, the 12 largest volume subjects are shown individually with all other subjects merged. There was a continued increase in the test volume over the first three years, followed by a decrease in the fourth and fifth years. The number of semester hours dropped in 1987-1988, climbed to a new high in 1988-1989, fell slightly in 1989-1990, then had a more substantial decrease in 1990-1991.

Table 83

Five-Year Summary of Credit by Examination at UT Austin: Numbers of Test Scores Evaluated and Semester Hours of Credit Eligibility, 1986-1991

Subject	1986-1987		1987-1988		1988-1989		1989-1990		1990-1991	
	Test Scores	Semester Hours of Credit	Test Scores	Semester Hours of Credit	Test Scores	Semester Hours of Credit	Test Scores	Semester Hours of Credit	Test Scores	Semester Hours of Credit
Biology	266	1,500	238	987	304	1,143	295	1,293	289	1,077
Chemistry	747	964	739	1,017	845	1,245	788	1,234	967	1,635
Chinese	163	2,680	235	3,990	287	4,737	243	3,956	265	4,075
Computer Sciences	98	222	104	207	236	402	299	480	292	508
English	9,246	12,936	9,254	11,232	10,565	13,911	9,713	12,483	7,840	10,212
French	993	7,086	1,013	6,767	1,132	7,291	1,015	7,201	728	5,167
German	422	1,818	383	1,955	416	1,896	401	2,013	313	1,597
Government	733	1,830	938	2,148	1,049	2,082	1,130	2,274	1,263	2,460
History	625	1,848	645	1,803	761	2,190	788	2,166	789	2,214
Mathematics	8,675	12,236	8,612	12,142	9,583	13,633	8,924	13,626	6,989	11,288
Physics	478	1,936	489	1,912	562	2,280	580	2,420	437	1,795
Spanish	3,002	25,623	2,949	23,092	3,472	25,674	3,147	25,456	3,001	24,017
Subtotal	25,448	70,679	25,599	67,252	29,212	76,484	27,323	74,602	23,173	66,045
All other subjects	575	2,331	591	2,510	486	2,744	506	2,043	575	3,127
Total	26,023	73,010	26,190	69,762	29,698	79,228	27,829	76,645	23,748	69,172

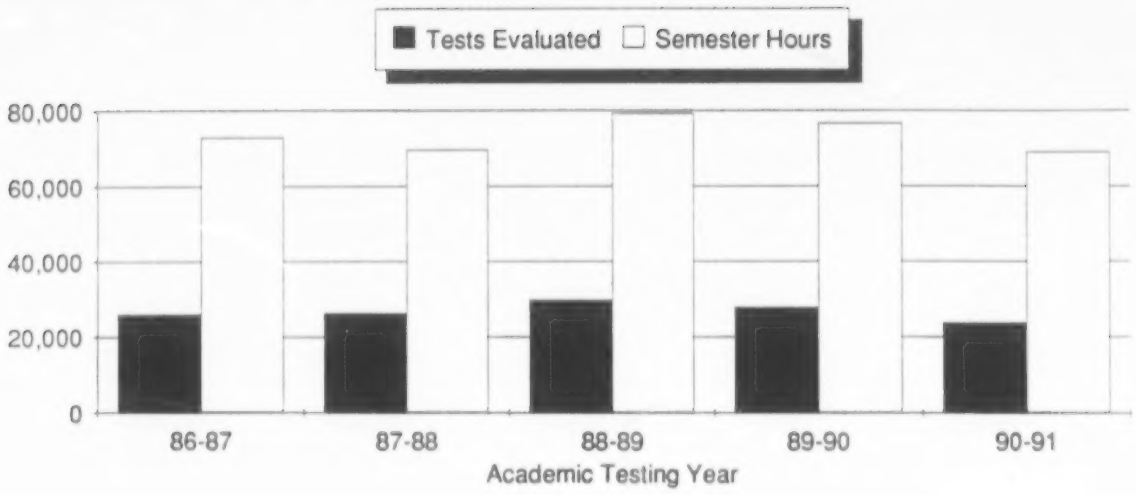

Figure 2. This figure provides a five-year summary of the results of the credit-by-examination program at UT Austin from academic years 1986-1987 through 1990-1991.

The activity in UT Austin's credit-by-examination program over a ten-year time span, 1981-1982 to 1990-1991, is depicted in Figure 3. This figure displays the number of test scores evaluated and the resulting number of semester hours of credit eligibility. The changes in the size in the program generally reflect the changes in the size of the student body. The number of tests evaluated was 21,931 in 1981-1982; that number rose to 29,698 in 1988-1989 and, as the incoming student population became smaller, decreased to 23,748 in 1990-1991. The semester hours of credit eligibility generated by qualifying scores followed somewhat the same pattern -- from 44,172 semester hours in 1981-1982, rising to 79,228 hours in 1988-1989, then a decrease to 69,172 semester hours in 1990-1991. There has been a 20% decrease during the past two years in the number of test scores evaluated during the peak year of 1988-1989 and the current 1990-1991 testing year; the number of semester hours of credit eligibility decreased 13% during the same time period.

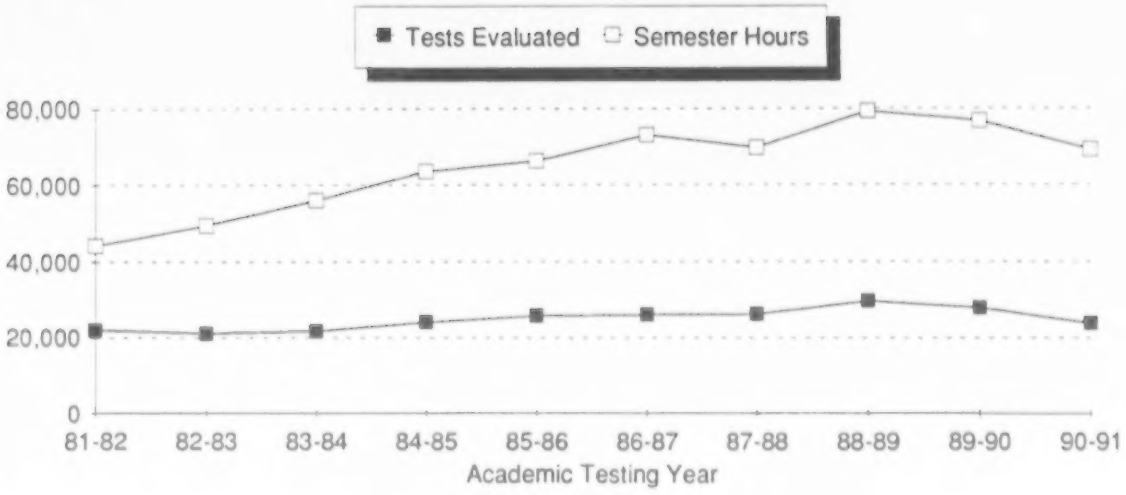

Figure 3. This figure shows the activity in the program of credit by examination at UT Austin over a ten-year period from 1981-1982 through 1990-1991.

In Tables 84-92, the results of examinations in the nine colleges and schools are presented separately. Each table in this series shows the subject areas as well as the numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. Table 93 summarizes, alphabetically by college and school, the data from the nine tables.

The College of Liberal Arts ranked first in test volume with 14,641 tests -- 62% of the total volume of 23,748 tests and 75% of the total number of 69,172 semester hours of credit eligibility. Since test scores from two of the largest subject areas, English and Spanish, were recorded in the College of Liberal Arts, it follows that the majority of the test scores evaluated during the year were in this college. The 8,975 tests in the College of Natural Sciences placed it in second rank; 16,306 semester hours of credit eligibility accrued. The number of examinations in mathematics is largely responsible for this high test volume.

Table 84
College of Business Administration
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Finance	1	3	0	0	0	0
Management Information Systems	30	97	29	100	87	100
Total	31	100	29	100	87	100

Table 85
College of Communication
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Journalism	7	88	7	88	24	89
Radio-Television-Film	1	13	1	13	3	11
Total	8	101*	8	101*	27	100

* This figure differs from 100% because of rounding.

Table 86
College of Education
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Curriculum and Instruction	1	50	1	50	3	75
Kinesiology	1	50	1	50	1	25
Total	2	100	2	100	4	100

Table 87
College of Engineering
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Electrical Engineering	1	50	1	100	3	100
Engineering Mechanics	1	50	0	0	0	0
Total	2	100	1	100	3	100

Table 88
College of Fine Arts
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Art	22	63	13	52	39	41
Drama	6	17	6	24	34	36
Music	7	20	6	24	22	23
Total	35	100	25	100	95	100

Table 89
College of Liberal Arts
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated N	%	Test Scores Generating Eligibility N	%	Semester Hours of Credit Eligibility N	%
Arabic	5	<1	5	<1	37	<1
Chinese	265	2	245	3	4,075	8
Classical Civilization	1	<1	1	<1	3	<1
Czech	3	<1	3	<1	42	<1
Danish	5	<1	5	<1	57	<1
Dutch	2	<1	2	<1	23	<1
Economics	119	1	99	1	375	1
English	7,840	54	3,404	43	10,212	20
French	728	5	497	6	5,167	10
Geography	1	<1	1	<1	3	<1
German	313	2	199	2	1,597	3
Government	1,263	9	820	10	2,460	5
Greek	3	<1	3	<1	30	<1
Hebrew	9	<1	9	<1	76	<1
Hindi	13	<1	13	<1	80	<1
History	789	5	373	5	2,214	4
Italian	9	<1	9	<1	118	<1
Japanese	13	<1	13	<1	218	<1
Latin	39	<1	19	<1	267	1
Norwegian	7	<1	7	<1	106	<1
Oriental and African Languages and Literatures	1	<1	1	<1	3	<1
Persian	8	<1	8	<1	91	<1
Portuguese	9	<1	9	<1	92	<1
Psychology	35	<1	28	<1	84	<1
Russian	31	<1	27	<1	253	<1
Scandinavian	1	<1	1	<1	3	<1
Serbo-Croatian	3	<1	3	<1	21	<1
Sociology	119	1	108	1	324	1
Spanish	3,001	21	2,069	26	24,017	46
Swahili	1	<1	1	<1	6	<1
Swedish	1	<1	1	<1	5	<1
Turkish	4	<1	4	<1	56	<1
Total	14,641	100	7,987	97*	52,115	99*

* This figure differs from 100% because of rounding.

Table 90
College of Natural Sciences
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Biology	289	3	164	4	1,077	7
Chemistry	967	11	473	10	1,635	10
Computer Sciences	292	3	170	4	508	3
Home Economics	1	<1	1	<1	3	<1
Mathematics	6,989	78	3,522	76	11,288	69
Physics	437	5	275	6	1,795	11
Total	8,975	100	4,605	100	16,306	100

Table 91
School of Nursing
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Nursing	53	100	46	100	531	100
Total	53	100	46	100	531	100

Table 92
College of Pharmacy
Summary, by Subject, of Credit by Examination
1990-1991

Subject	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Pharmacy	1	100	1	100	4	100
Total	1	100	1	100	4	100

Table 93
Summary, by College/School, of Credit by Examination
1990-1991

College/School	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Business Administration	31	<1	29	<1	87	<1
Communication	8	<1	8	<1	27	<1
Education	2	<1	2	<1	4	<1
Engineering	2	<1	1	<1	3	<1
Fine Arts	35	<1	25	<1	95	<1
Liberal Arts	14,641	62	7,987	63	52,115	75
Natural Sciences	8,975	38	4,605	36	16,306	24
Nursing	53	<1	46	<1	531	1
Pharmacy	1	<1	1	<1	4	<1
Total	23,748	100	12,704	99*	69,172	100

* This figures differs from 100% because of rounding.

Table 94 is ordered by testing category; it shows numbers and percentages of test scores evaluated, test scores generating credit eligibility, and semester hours of credit eligibility. The percentages in Table 94 and in Figure 4 compare the data in each category to the results of the testing program as a whole.

Obvious differences exist in the five testing categories covered by this report. First, institutional administrations considerably outnumbered the other four categories; its 14,898 tests were responsible for 63% of the test volume documented this year. This category was also the source of the highest percentage (63%) of credit eligibility generated in all five categories of UT Austin's program of credit by examination. Credit eligibility was established by 7,254 institutional examinations, which represented 57% of the total of 12,704 qualifying test scores.

National administrations of College Board Advanced Placement Examinations ranked second in comparisons of test volume and of credit eligibility. The 4,867 AP scores represent 21% of the total number of scores evaluated during 1990-1991. The 3,317 scores warranting credit yielded 17,475 semester hours of credit eligibility.

Table 94
Summary, by Testing Category, of Credit by Examination
1990-1991

Testing Category	Test Scores Evaluated		Test Scores Generating Eligibility		Semester Hours of Credit Eligibility	
	N	%	N	%	N	%
Institutional Administrations	14,898	63	7,254	57	43,747	63
Departmental Administrations	232	1	222	2	1,513	2
National Administrations of CLEP Subject Examinations	62	<1	59	<1	356	1
National Administrations of AP Examinations	4,867	20	3,317	26	17,475	25
National Administrations of Achievement Tests	3,689	16	1,852	15	6,081	9
Total	23,748	100	12,704	100	69,172	100

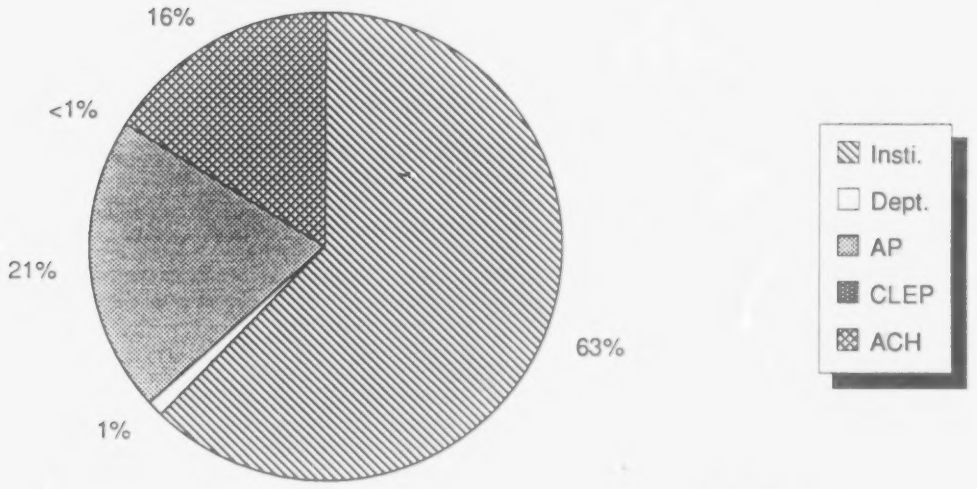

Figure 4. This figure shows the percentages of test scores evaluated by the Measurement and Evaluation Center during 1990-1991 in the five categories of test administration.

Figure 5 presents the percentages of test scores generating credit eligibility within each category of test administration. For example, 222 test scores, or 96% of the 232 scores, from departmentally-administered individual tests merited credit eligibility. On scores from national administrations of the CLEP Subject Examinations, 95% did so. National administrations of the Advanced Placement Examinations ranked third, with 68% of those test scores generating credit. National administrations of College Board Achievement Tests and tests from institutional administrations resulted in lower rates of successful performance: 50% and 49%, respectively.

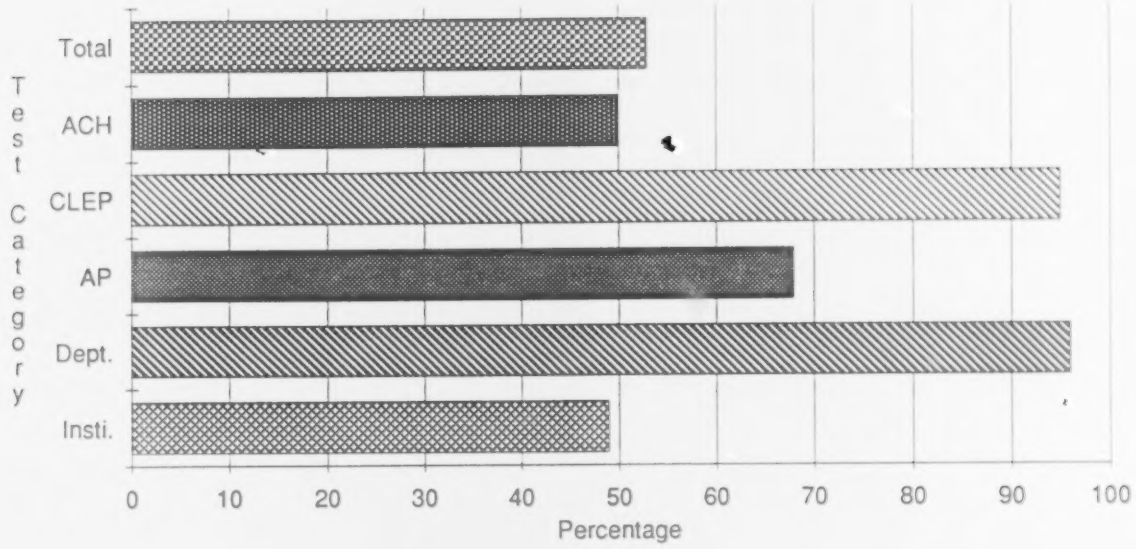

Figure 5. This figure indicates the percentages of test scores generating credit eligibility in the 1990-1991 testing program; the percentages are given within each category of test administration.